



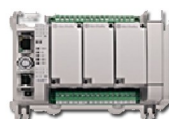
AGE Technologies

PRODUCT CATALOGUE

AUGUST 2014



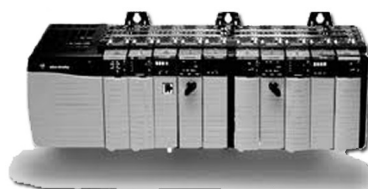
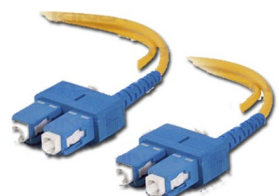
Solar String Box
AC/DC Protection



Ethernet
Radio's



POWERFUL, DURABLE, AFFORDABLE



Power, Energy and Control System Solutions and Products



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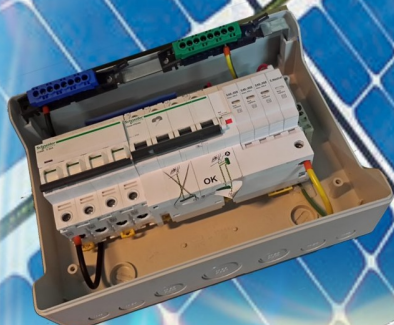
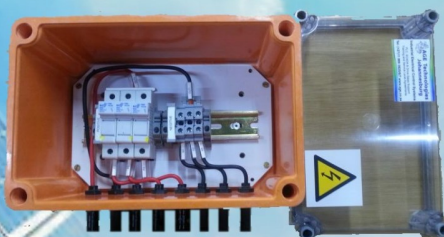


POWER METERS



AGE Technologies

SOLAR ENERGY



www.age.co.za
sales@age.co.za



INVERTERS / SOLAR KITS

Picture	Product Code	Description	Price
Schneider Inverters			
	PVSNVC10000	Conext TL 10000 E (10Kw)	R 53,858.57
	PVSNVC15000	Conext TL 15000 E (15Kw)	R 74,946.86
	PVSNVC20000	Conext TL 20000 E (20Kw)	R 83,139.43
ABB Inverters			
	TRIO-58-TL-OUTD-S	TRIO-58-TL-OUTD-S	R 28,490.00
	TRIO-75-TL-OUTD-S	TRIO-75-TL-OUTD-S	R 34,375.71
	TRIO-85-TL-OUTD-S	TRIO-85-TL-OUTD-S	R 36,010.00
	TRIO-2-TL-OUTD-4	TRIO-2-TL-OUTD-4	R 63,827.14
	TRIO-2-TL-OUTD-S2-4	TRIO-2-TL-OUTD-S2-4	R 65,325.71
	TRIO-2-TL-OUTD-S2F-4	TRIO-2-TL-OUTD-S2F-4	R 68,827.14
	TRIO-2-TL-OUTD-S2X-4	TRIO-2-TL-OUTD-S2X-4	R 72,632.86
	TRIO-276-TL-OUTD-4	TRIO-276-TL-OUTD-4	R 73,424.29
	TRIO-276-TL-OUTD-S2-4	TRIO-276-TL-OUTD-S2-4	R 74,878.57
	TRIO-276-TL-OUTD-S2F-4	TRIO-276-TL-OUTD-S2F-4	R 77,597.14
	TRIO-276-TL-OUTD-S2X-4	TRIO-276-TL-OUTD-S2X-4	R 82,407.14
Ingeteam Inverter			
	Ingecon Sun 10 TL M	Ingecon Sun 10 TL M	R 36,838.29
	Ingecon Sun 12.5 TL M	Ingecon Sun 12.5 TL M	R 41,362.29
	Ingecon Sun 15 TL M	Ingecon Sun 15 TL M	R 46,128.64
	Ingecon Sun 20 TL M	Ingecon Sun 20 TL M	R 53,076.21
Friem			
	RECon-S3-10	RECon-S3-10	R 32,109.00
	RECon-S3-12	RECon-S3-12	R 32,240.00
	RECon-S3-15	RECon-S3-15	R 36,073.00
	RECon-S3-20	RECon-S3-20	R 41,032.00



Item Code	Description	Price
Thin Film Solar Kits		
AGE25KW	AGE Solar Kit 2.5KW (1PH)	R 44,503.92
AGE3KW	AGE Solar Kit 3KW (1PH)	R 52,513.54
AGE5KW	AGE Solar Kit 5KW (1PH)	R 87,376.09
AGE10KW	AGE Solar Kit 10KW (1PH)	R 175,227.18
AGE3KW	AGE Solar Kit 3KW (3PH)	R 54,363.05
AGE5KW	AGE Solar Kit 5KW (3PH)	R 88,283.70
AGE10KW	AGE Solar Kit 10KW (3PH)	R 177,042.40

Thin Film Kit Includes:
Solar Panels, Mounting Structure, Inverter, Cabling, Connectors

Polycrystalline Solar Kits		
AGE1KW	AGE Solar Kit 1KW	R 26,525.00
AGE25KW	AGE Solar Kit 2.5KW	R 40,425.00
AGE3KW	AGE Solar Kit 3KW	R 45,565.00
AGE5KW	AGE Solar Kit 5KW	R 64,040.00
AGE10KW	AGE Solar Kit 10KW	R 127,265.00
Polycrystalline Solar Kits include: Solar Panels, Mounting Structure, Inverter, Cabling, Connectors		



SOLAR CABLE & ACCESSORIES

AGE Solar Cable		
Product Code	Description	Price/pm
AGESOLAR4MMBLK	Solar Cable 4mm ² Black	R8.20
AGESOLAR4MMRED	Solar Cable 4mm ² Red	R8.20
AGESOLAR4MMBLU	Solar Cable 4mm ² Blue	R8.20
AGESOLAR6MMBLK	Solar Cable 6mm ² Black	R10.20
AGESOLAR6MMRED	Solar Cable 6mm ² Red	R10.20
AGESOLAR6MMBLU	Solar Cable 6mm ² Blue	R10.20

MC4 Inline Connector		
3 2.0017P0001-UR	PV-KST4/6II-UR, MC4 inline, male, crimp (4mm ² - 6mm ²), cable OD 5,5mm ² - 9mm ²	R17.80
3 2.0016P0001-UR	PV-KBT4/6II-UR, MC4 inline, female, crimp (4mm ² - 6mm ²), cable OD 5,5mm ² - 9mm ²	R13.58
3 2.0014P0001-UR	PV-KBT4/6I-UR, MC4 inline, male, crimp (4mm ² - 6mm ²), cable OD 3mm ² - 6mm ²	R19.80
3 2.0015P0001-UR	PV-KST4/6I-UR, MC4 inline, female, crimp (4mm ² - 6mm ²) cable OD 3mm ² - 6mm ²	R17.58

MC4 Panel Mount Connectors		
3 2.0054P00010	PV-ADBP4/2,5, MC4 male, crimp (2,5mm ² and 4mm ²)	R 17.80
3 2.0055P00010	PV-ADSP4/2,5 MC4 female, crimp (2,5mm ² and 4mm ²)	R13.58
3 2.0056P00010	PV-ADBP4/6, MC4 male, crimp (6mm ²)	R19.80
3 2.0057P00010	PV-ADSP4/6, MC4 female, crimp (6mm ²)	R17.58

MC4 Crimping Tool Case Set		
32.6019	PV-WZ4-SET , Case includes the below products.	R2880.00
32.6020-19100	PV-CZM-19100 Crimping pliers for 2,5; 4; 6mm 2/12 wire sizes	
32.6024	A plastic PV-MS Open-end spanner set	

Sealing Caps MC4		
32.0716	Suitable for socket side, PV-BVK4 and MC4	R4.20
32.0717	Suitable for plug side, PV-SVK4 and MC4	R4.20





DC COMBINER BOX / PRE-PARALLEL BOX / SOLAR MONITORING SYSTEM

DC COMBINER BOX



- 16 String Input (8,12,20 String as alternative options)
- Modbus RS485 Interface
- INDIVIDUAL CURRENT MONITORING OF EACH STRING on Modbus
- VOLTAGE MONITORING
- 4kV 20kA SURGE PROTECTOR
- SURGE PROTECTION HEALTH MONITOR on Modbus
- 400A DISCONNECT SWITCH WITH IP65 INTERNAL HANDLE
- IP66 ABS ENCLOSURE WITH HINGED LID
- INDIVIDUAL BLOWN FUSE LED INDICATOR
- 85 to 264V AC TO 24V DC Power Supply
- STAINLESS STEEL MOUNT BRACKETS
- INTERNAL TEMPERATURE MONITORING
- INTERNAL SPACE HEATER (OPTION)
- 6-10mm² WIRE INPUTS (MC4)
- 6-240mm² WIRE OUTPUTS (Gland)

PRE-PARALLEL BOX



- 3 String
- IP68 Poly Carbonate Box
- Bright Orange Box
- Clear Lid
- 6A 1,000V DC Fuses on +ve
- Blown fuse LED indicator
- 2.5 - 10mm 1,000V Terminals for -ve
- Stainless steel mount brackets
- 4-6 mm Wire inputs (MC4)
- 6-10mm Wire outputs (MC4)

PART NUMBER	DESCRIPTION	PRICE
AGESOLAR SB20	SOLAR STRING BOX - 20 STRING	R 24,196.00
AGESOLAR SB16	SOLAR STRING BOX - 16 STRING	R 21,900.00
AGESOLAR SB12	SOLAR STRING BOX - 12 STRING	R 15,280.00
AGESOLAR SB08	SOLAR STRING BOX - 8 STRING	R 13,820.00

PART NUMBER	DESCRIPTION	PRICE
SOLAR PPB A 3	3 String - Standard	R 786.00
SOLAR PPB A 6	6 String - Standard	R 926.00
SOLAR PPB E 3	3 String - Clear Lid & Fuse LED	R 879.00
SOLAR PPB E 6	6 String - Clear Lid & Fuse LED	R 1,277.00

SOLAR MONITORING SYSTEM

FROM ONLY **R 9,900.00**

HMI



- 7"inch Touch Screen HMI
- System Overview
- Real Time & Historical Data



AGE Technologies

ETHERNET SWITCH

- SMS & 3G communications



STRING BOXES



ETHERNET

ETHERNET

MODBUS

MODBUS & OR ETHERNET

PLC If required



- PLC/Gateway
- RS485 (master/slave Modbus)
- Ethernet 10/100Mbps with dual stack IPv4 / IPv6
- Integrated Web Server and FTP Server
- GPRS/HSPA radio modem

MODBUS

WEATHER STATION



- Temperature
- Humidity
- Radiation
- UV
- Rain volume
- Wind Speed
- Wind Direction

INVERTERS

Any make





AGE Technologies
Johannesburg

Please contact to confirm prices

Tel: (+27) 11 869 3925/6/7

Fax: (+27) 11 869 6427

sales@age.co.za

SOLAR CELLS



AGE 60 Cell - 40mm SERIES

ORDER CODE: YL250P PRICE: **R2,495.00** each

PERFORMANCE

- High efficiency, multi crystalline silicon solar cells with high transmission and textured glass deliver a module efficiency of up to 15.9%, minimizing installation costs and maximizing the kWh output of your system per unit area.
- Tight positive power tolerance of 0W to +5W ensures you receive modules at or above nameplate power and contributes to minimizing module mismatch losses leading to improved system yield.
- Top ranking in the "TÜV Rheinland Energy Yield Test" and the "PHOTON Test" demonstrates high performance and annual energy production.

RELIABILITY

Tests by independent laboratories prove that Solar modules: Fully conform to certification and regulatory standards.

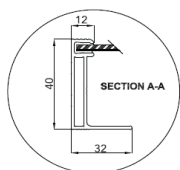
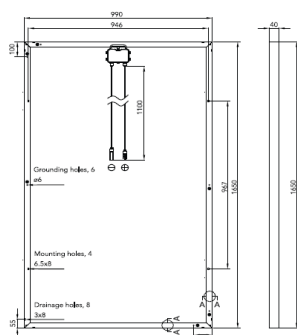
Withstand wind loads of up to 2.4kPa and snow loads of up to 5.4kPa, confirming mechanical stability.

Successfully endure ammonia and salt-mist exposure at the highest severity level, ensuring their performance in adverse conditions.

WARRANTIES

- 10-year limited product warranty.
- Limited power warranty: 10 years at 91.2% of the minimal rated power output, 25 years at 80.7% of the minimal rated power output.

Unit: mm



Dimensions (L / W / H)
1650mm / 990mm / 40mm
Weight - 18.5kg





DC PROTECTION BOX



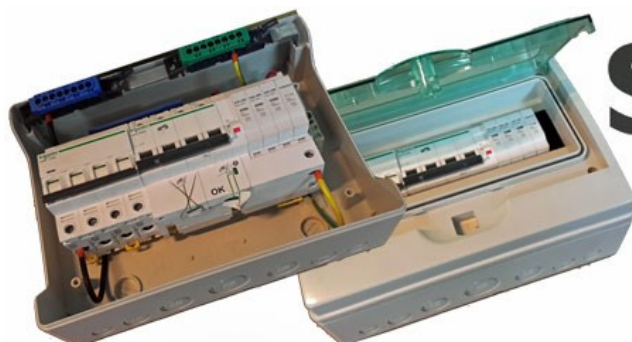
DC-01 - No Surge Protection		
Item	Description	Quantity
A9N61690	iC60 NA DC 1000V 25A/Ch	2
13432	Kaedra Enclosure 1 x 18	1
AGECON	Labour	4
AGECON	Testing of Unit	1
DC-01 R - Shunt Trip		
Item	Description	Quantity
A9N61690	iC60 NA DC 1000V 25A/Ch	2
A9A26947	Acti9 IMX+OF 48VDC Shunt	2
13432	Kaedra Enclosure 1x18	1
AGECON	Labour	4
AGECON	Testing of Unit	1

DC-02 - Surge Protection		
Item	Description	Quantity
A9N61690	iC60 NA DC 1000V 25A/Ch	2
A9L16436	iPRD 40r 1000V	2
13432	Kaedra Enclosure 1 x 18	1
AGECON	Labour	8
AGECON	Testing of Unit	1
DC-02 R - Shunt Trip		
Item	Description	Quantity
A9N61690	iC60 NA 1000V 25A/Ch	2
A9L16436	iPRD 40r 1000V	2
A9A26947	Acti9 IMX+OF 48VDC Shunt	2
13432	Kaedra Enclosure 1 x 18	1
AGECON	Labour	8
AGECON	Testing of Unit	1

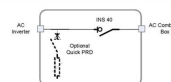
ORDER CODE	DESCRIPTION	PRICE
DC01	DC Protection Box No Surge Protection	R 4,768.00
DC01R	DC Protection Box Shunt Trip	R 6,189.00
DC02R	DC Protection Shunt Trip	R 7,511.00
DC02	DC Protection with Surge Protection	R 8,932.00



AC PROTECTION BOX



Schneider
Electric



AC-01		
Item	Description	Quantity
A9F8432	iC60 N/L/H 32A	1
A9L16294	iPRD 40r 1000V	1
13432	Kaedra Enclosure 1 x 12	1
AGECON	Labour	2
AGECON	Testing of Unit	1

AC-01-R		
Item	Description	Quantity
A9F87432	iC60 N/L/H 32A	1
A9L16294	iPRD 40r 1000V	1
A9A26947	Acti9 IMX+OF 48VDC Shunt	1
13432	Kaedra Enclosure 1 x 12	1
AGECON	Labour	2
AGECON	Testing of Unit	1

ORDER CODE	DESCRIPTION	PRICE
AC01	AC Protection Box	R 7,638.00
AC01S	AC Protection Box with Shunt Trip	R 8,349.00

WEATHER STATION

HP2000 Weather Professional Station

- Size:195*138*20mm
- TFT colour display
- Battery life: More than 12 months
- Upload weather data automatically
- Lux Meter (solar power index)
- SD card memory

ORDER CODE: HP2000

PRICE: **R 4,411.00**



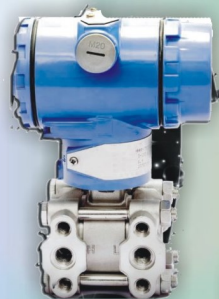
Specification:

- Indoor temperature range: -40°C to 60°C
- Outdoor temperature range: -40°C to 60°C
- Temperature accuracy: +/-1.0°C
- Indoor humidity range: 1% to 95%RH
- Humidity accuracy: +/-5 %
- Rain volume display: 0-9999 mm
- Wind speed: 0-160 km/h
- Pressure range: 700-1100 hpa



AGE Technologies

INSTRUMENTS



Full range of Instruments available: Flow, Pressure, Level & Temperature

Vortex Flow Meter

Turbine Flow Meter

Ultrasonic Flow Meter

Gas Turbine Flow Meter

Coriolis Mass Flow Meter

Liquid Turbine Flow Meter

Electromagnetic Flow Meter

Differential Pressure Transmitter

Inline Pressure Transmitter

Multichannel Data Loggers



Electromagnetic Flow Meter

TECHNICAL DATA

Diameter	DN25~DN2600
Electrode Material	316L(stainless steel), HC, HB, Ti, Ta
Output Signals	4~20mA DC, load<= 750ohm, 0~3kHz, 5V with source and changeable width. RS485 interface
Accuracy	0.3%, 0.5%, 1.0%
Operation Pressure	1.0MPa, 1.6MPa, 4.0MPa, 16MPa (special)
Fluid Temperature	-20C~80C, 80C~130C, 130C~180C
Power Supply	220VAC±10%, 50Hz±1Hz, 24VDC±10%
Materials of Liner	PTFE, soft rubber, hard rubber, PFA etc.



PERFORMANCE & FEATURES

- Simple construction, no moving parts and long operational life
- No obstructions in the flow, no pressure loss or fluid clogging
- No mechanical inertia, quick response and good stability.
- Measuring accuracy not influenced by physical parameters such as temperature, viscosity, density and pressure.
- Employ Teflon or rubber linings and choice of electrode material such as Hastelloy C, Hastelloy B, 316L, Titanium for different mediums.
- EEPROM memory for safe and reliable protection of memory.
- Integral type flow meters and remote type flow meters.
- LCD back light display

ITEM CODE	DESCRIPTION	PRICE
HHD-15	MagFlow-0.32~6.36 m³/h	R 9 890.00
HHD-20	MagFlow-0.57~11.30 m³/h	R 9 890.00
HHD-25	MagFlow-0.88~17.66 m³/h	R 9 950.00
HHD-32	MagFlow-1.45~28.94 m³/h	R 10 170.00
HHD-40	MagFlow-2.26~45.22 m³/h	R 10 200.00
HHD-50	MagFlow-3.53~70.65 m³/h	R 10 260.00
HHD-65	MagFlow-5.97~119.40 m³/h	R 10 580.00
HHD-80	MagFlow-9.04~180.86 m³/h	R 11 480.00
HHD-100	MagFlow-14.13~282.60 m³/h	R 13 050.00
HHD-125	MagFlow-22.08~441.56 m³/h	R 13 920.00
HHD-150	MagFlow-31.79~635.85 m³/h	R 15 760.00
HHD-200	MagFlow-56.52~1130.40 m³/h	R 19 680.00
HHD-250	MagFlow-88.31~1766.25 m³/h	R 22 900.00
HHD-300	MagFlow-127.17~2543.40 m³/h	R 25 900.00
HHD-350	MagFlow-173.09~3461.85 m³/h	R 31 840.00
HHD-400	MagFlow-226.08~4521.60 m³/h	R 38 870.00
HHD-450	MagFlow-286.31~5722.65 m³/h	R 46 010.00
HHD-500	MagFlow-353.25~7065.00 m³/h	R 53 970.00
HHD-600	MagFlow-508.68~10173.60 m³/h	R 61 330.00

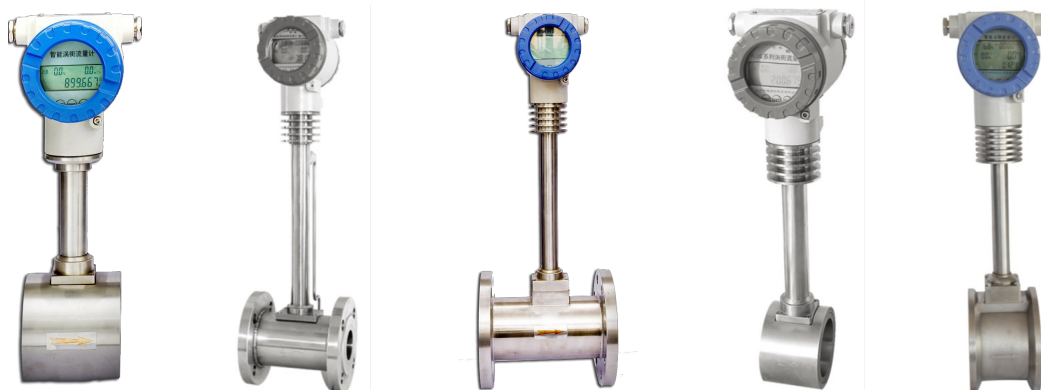
All Flow meters below are basic units only.



COMPLETE INSTRUMENT CATALOGUE AVAILABLE ON WEBSITE

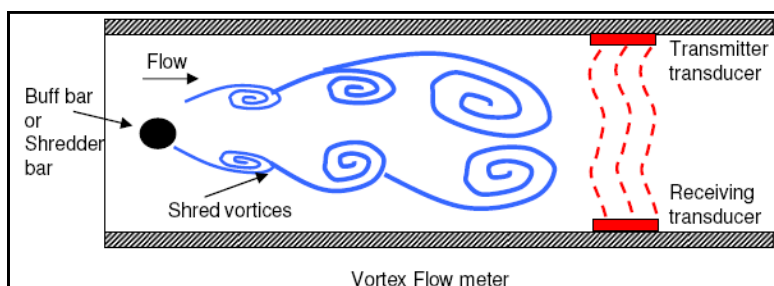


Vortex Flow Meter



Specifications

Standard	Q/320831AHH003-2004 JB/T6807-93	
Medium	Gas, liquid, steam	
Diameter	Flange holding (wafer) type	25, 32, 50, 80, 100, 150, 200, 250, 300
	Flange connection type	100, 150, 200, 250, 300
Measuring Range	Normal range of flow speed	Reynold number $1.5 \times 10^4 \sim 4 \times 10^6$; gas 5~50m/s; liquid 0.5~7m/s
	Normal range of flow rate	Liquid, gas flow range-sheet2; steam flow range-sheet 3
Accuracy	Class 1.5	
Temperature	Normal temperature -25~100	
	High temperature -25~150 -25~250	
Output Signal	Pulse voltage output signal	Square wave pulse
	Current remote signal	4 ~ 20 mA, transmission distance 100m
Environmental Conditions	Temperature: -25~+55 humidity: 5~90%	
Material	SS, Aluminum Alloy	
Power	24 V DC or lithium battery 3.6V	
Ex	Exd II BT4	
Protection Class	IP65	



COMPLETE INSTRUMENT CATALOGUE AVAILABLE ON WEBSITE



Vortex Flow Meter



Step 1 - Select Size: Part Number HLUG-xxx N/Y Fx Jx Lx Ex Tx Px Dx Bx ENG

Nominal Diameter (DN mm)	Flow Range (m ³ /h) Liquid or Gas	Part Number	Price L1 Wafer Type P.O.R	Price L2 Flange P.O.R
15		HLUG-15		
20		HLUG-20		
25	1~12 (L) 10~100 (G)	HLUG-25	R 11 080.00	R 13,420.00
32	1.5~23 (L) 15~150 (G)	HLUG-32	R 11 080.00	R 14,020.00
40	2.4~32 (L) 23~230 (G)	HLUG-40	R 11 080.00	R 14,400.00
50	4~50 (L) 35~350 (G)	HLUG-50	R 11 080.00	R 14,920.00
65	6.3~84 (L) 60~600 (G)	HLUG-65	R 12 420.00	R 15,800.00
80	10~130 (L) 90~900 (G)	HLUG-80	R 12 760.00	R 16,160.00
100	20~200 (L) 140~1400 (G)	HLUG-100	R 13 100.00	R 16,860.00
125	31~310 (L) 220~2200 (G)	HLUG-125	R 14 300.00	R 18,600.00
150	45~450 (L) 300~3000 (G)	HLUG-150	R 15 660.00	R 22,240.00
200	80~800 (L) 550~5500 (G)	HLUG-200	R 17 700.00	R 26,260.00
300	150~1500 (L) 880~8800 (G)	HLUG-300	P.O.R	P.O.R

Step 2 - Compensation : Part Number HLUG-xxx N/Y Fx Jx Lx Ex Tx Px Dx Bx ENG

Part Number	Liquids Temperature	Price ZAR Extra
N	No Temperature & Pressure Compensation	R -
Y	Temperature & Pressure Compensation	R -

Step 3 - Output Signal: Part Number HLUG-xxx N/Y Fx Jx Lx Ex Tx Px Dx Bx ENG

Part Number	Output	Price ZAR Extra
F1	4-20mA (2 Wires)	R -
F2	4-20mA (3 Wires)	R -
F3	RS485 (Modbus Protocol)	R 1, 560.00

Step 4 - Medium: Part Number HLUG-xxx N/Y Fx Jx Lx Ex Tx Px Dx Bx ENG

Part Number	Medium	Price ZAR Extra
J1	Gas	R -
J2	Liquid	R -
J3	Steam	R -

Step 5 - Accuracy: Part Number HLUG-xxx N/Y Fx Jx Lx Ex Tx Px Dx Bx ENG

Part Number	Flange	Price ZAR Extra
E1	Class (Error) 1%	P.O.R
E2	Class (Error) 1.5%	R -





Vortex Flow Meter



Step 6 - Temperature Range: Part Number HLUG-xxx N/Y Fx Jx Lx Ex Tx Px Dx Bx ENG

Part Number	Liquids Temperature	Price Extra
T1	Normal -25 to 100 °C	R -
T2	High: - 25 to 150 °C	R -
T3	Steam: -25 to 250 °C	R -

Step 7 - Pressure Range: Part Number HLUG-xxx N/Y Fx Jx Lx Ex Tx Px Dx Bx ENG

Part Number	Output	Price Extra
P0	Special Pressure	P.O.R
P1	1 M Pa	R -
P2	1.6 M Pa	8%
P3	4 M Pa	10%

Step 8 - Supply Voltage: Part Number HLUG-xxx N/Y Fx Jx Lx Ex Tx Px Dx Bx ENG

Part Number	Liquids Temperature	Price Extra
D1	Internal 3.6V - Battery Operated	P.O.R
D2	24V DC	R -

Step 9 - Material: Part Number HLUG-xxx N/Y Fx Jx Lx Ex Tx Px Dx Bx ENG

Part Number	Liquids Temperature	Price Extra
B1	Stainless Steel 316	R -
B2	Carbon Steel	R -



Liquid Turbine Flow Meter

Step 1 - Select Size : Part Number HLWGY-xxx N/A/B/Cn Z/W S/L F/T Tx N/Hnn NP N/EX

Nominal Diameter (DN mm)	Flow Range (m ³ /h)	Part Number	Price ZAR N	Price ZAR A	Price ZAR B	Price ZAR C
	Liquid		Pulse Out, No Indication	4-20mA Out, No Indication	LCD Display, No Output	LCD Display, 4-20mA Out
4	0.04 ~ 0.25	HLWGY-04	R 4 900.00	R 5 860.00	R 6 520.00	R 6 780.00
6	0.1 ~ 0.6	HLWGY-06	R 4 960.00	R 5 920.00	R 6 580.00	R 6 840.00
10	0.2 ~ 1.2	HLWGY-10	R 5 000.00	R 6 000.00	R 6 640.00	R 6 900.00
15	0.6 ~ 6	HLWGY-15	R 3 200.00	R 3 860.00	R 5 140.00	R 5 400.00
20	0.8 ~ 8	HLWGY-20	R 3 240.00	R 3 900.00	R 5 180.00	R 5 440.00
25	1 ~ 10	HLWGY-25	R 3 440.00	R 4 100.00	R 5 380.00	R 5 600.00
32	1.5 ~ 15	HLWGY-32	R 4 380.00	R 5 040.00	R 6 320.00	R 6 540.00
40	2 ~ 20	HLWGY-40	R 4 700.00	R 5 360.00	R 6 640.00	R 6 900.00
50	4 ~ 40	HLWGY-50	R 4 860.00	R 5 520.00	R 6 800.00	R 7 040.00
65	7 ~ 70	HLWGY-65	R 6 160.00	R 6 800.00	R 7 440.00	R 7 700.00
80	10 ~ 100	HLWGY-80	R 6 640.00	R 7 280.00	R 7 920.00	R 8 120.00
100	20 ~ 200	HLWGY-100	R 7 800.00	R 8 440.00	R 9 080.00	R 9 280.00
125	25 ~ 250	HLWGY-125	R 10 000.00	R 10 640.00	R 11 300.00	R 11 400.00
150	30 ~ 300	HLWGY-150	R 12 640.00	R 13 280.00	R 13 920.00	R 14 200.00
200	80 ~ 800	HLWGY-200	R 17 400.00	R 18 040.00	R 18 680.00	R 18 900.00

Step 2 - Output Signal :Part Number HLWGY-xxx N/A/B/Cn Z/W S/L F/T Tx N/Hnn NP N/EX

Part Number	Output (ONLY FOR HLWGY-xx-C)	Price ZAR Extra
C1	RS485 (Modbus Protocol)	R 1 140.00
C2	RS485 (HART)	R 1 140.00
C3	pulse frequency signal, low level≤0.8V,high level≥8V	R 640.00



Overview

The HLWGY series Turbine Flow meters have a simple structure, high accuracy, good repetitiveness, fast response time and easy maintenance. It is widely used for liquids which are not corrosive to stainless steel, do not have fibre or particles. The liquid must also have a kinematic viscosity less than $50 \times 10^{-6} \text{ m}^2/\text{s}$

Features

- High accuracy: $\pm 1\%$, $\pm 0.5\%$, $\pm 0.2\%$
- Good repetitiveness: $0.05\% \sim 0.2\%$
- Output of pulse frequency signal, suitable for totalizer and connection with PC; no zero shift and interference resistant
- High frequency signal ($3 \sim 4 \text{ kHz}$), strong signal resolution
- Turndown: 1:20, 1:10
- Compact structure & easy maintenance



COMPLETE INSTRUMENT CATALOGUE AVAILABLE ON WEBSITE



Liquid Turbine Flow Meter

Step 3 - Extended Flow Range : Part Number

HLWGY-xxx N/A/B/Cn Z/W S/L F/T Tx N/Hnn NP N/EX

Part Number	Extended Flow range	Price ZAR Extra	
	Z Standard / W = Extended		
HLWGY-04	0.04 ~ 0.4	R	640.00
HLWGY-06	0.06 ~ 0.6	R	640.00
HLWGY-10	0.15 ~ 1.5	R	640.00
HLWGY-15	0.4 ~ 8	R	640.00
HLWGY-20	0.45 ~ 9	R	640.00
HLWGY-25	0.5 ~ 10	R	640.00
HLWGY-32	0.8 ~ 15	R	640.00
HLWGY-40	1 ~ 20	R	640.00
HLWGY-50	2 ~ 40	R	640.00
HLWGY-65	4 ~ 70	R	640.00
HLWGY-80	5 ~ 100	R	640.00
HLWGY-100	10 ~ 200	R	640.00
HLWGY-125	13 ~ 250	R	640.00
HLWGY-150	15 ~ 300	R	640.00
HLWGY-200	40 ~ 800	R	640.00

Step 4 - Material : Part Number

HLWGY-xxx N/A/B/Cn Z/W S/L F/T Tx N/Hnn NP N/EX

Part Number	Price ZAR Extra	
	Stainless Steel 304 S	Stainless Steel 316 L
HLWGY-04	-	R 640.00
HLWGY-06	-	R 620.00
HLWGY-10	-	R 620.00
HLWGY-15	-	R 320.00
HLWGY-20	-	R 320.00
HLWGY-25	-	R 640.00
HLWGY-32	-	R 780.00
HLWGY-40	-	R 960.00
HLWGY-50	-	R 960.00
HLWGY-65	-	R 1 120.00
HLWGY-80	-	R 1 280.00
HLWGY-100	-	R 1 280.00
HLWGY-125	-	R 1 620.00
HLWGY-150	-	R 2 100.00
HLWGY-200	-	R 3 900.00

Step 5 - Select Connection: Part Number HLWGY-xxx N/A/B/Cn Z/W S/L F/T Tx N/Hnn NP N/EX

HLWGY-xxx N/A/B/Cn Z/W S/L F/T Tx N/Hnn NP N/EX

Part Number T = Thread / F = Flange

HLWGY-04	Thread
HLWGY-06	Thread
HLWGY-10	Thread
HLWGY-15	Thread OR Flange
HLWGY-20	Thread OR Flange
HLWGY-25	Thread OR Flange
HLWGY-32	Flange
HLWGY-40	Flange

Part Number T = Thread / F = Flange

HLWGY-50	Flange
HLWGY-65	Flange
HLWGY-80	Flange
HLWGY-100	Flange
HLWGY-125	Flange
HLWGY-150	Flange
HLWGY-200	Flange



Step 6 - Temperature Range: Part Number

HLWGY-xxx N/A/B/Cn Z/W S/L F/T Tx N/Hnn NP N/EX

Part Number	Liquids Temperature	Price ZAR Extra
T1	Normal -10 to 80 °C	R -
T2	High: - 20 to 120 °C	R 480.00

Overview

The HLWGY series Turbine Flow meters have a simple structure, high accuracy, good repetitiveness, fast response time and easy maintenance. It is widely used for liquids which are not corrosive to stainless steel, do not have fibre or particles. The liquid must also have a kinematic viscosity less than $50 \times 10^{-6} \text{ m}^2/\text{s}$



Liquid Turbine Flow Meter

Step 7 - Pressure Range : Part Number HLWGY-xxx N/A/B/Cn Z/W S/L F/T Tx N/Hnn NP N/EX

Part Number	Pressure Rating (MPa)	Pressure (MPa)	Pressure (MPa)	Pressure (MPa)	Pressure (MPa)	Pressure (MPa)	Pressure (MPa)
		P.O.R	P.O.R	P.O.R	P.O.R	P.O.R	P.O.R
	N	Hnn	Hnn	Hnn	Hnn	Hnn	Hnn
HLWGY-04	6.3	Not Avail	Not Avail	Not Avail	10	16	25
HLWGY-06	6.3	Not Avail	Not Avail	Not Avail	10	16	25
HLWGY-10	6.3	Not Avail	Not Avail	Not Avail	10	16	25
HLWGY-15	6.3	Not Avail	Not Avail	Not Avail	10	16	25
HLWGY-20	6.3	Not Avail	Not Avail	Not Avail	10	16	25
HLWGY-25	2.5	Not Avail	4	6.3	10	16	25
HLWGY-32	2.5	Not Avail	4	6.3	10	16	25
HLWGY-40	2.5	Not Avail	4	6.3	10	16	25
HLWGY-50	2.5	Not Avail	4	6.3	10	16	25
HLWGY-65	2.5	Not Avail	4	6.3	10	16	25
HLWGY-80	2.5	Not Avail	4	6.3	10	16	25
HLWGY-100	2.5	Not Avail	4	6.3	10	16	25
HLWGY-125	1.6	2.5	4	6.3	10	16	25
HLWGY-150	1.6	2.5	4	6.3	10	16	25
HLWGY-200	1.6	2.5	4	6.3	10	16	25

Step 8 - Material: Part Number HLWGY-xxx N/A/B/Cn Z/W S/L F/T Tx N/Hnn NP N/EX

Part Number	Price ZAR Extra
	Moving Parts Nickel Plated NP
HLWGY-04	R 32.00
HLWGY-06	R 32.00
HLWGY-10	R 32.00
HLWGY-15	R 64.00
HLWGY-20	R 64.00
HLWGY-25	R 78.00
HLWGY-32	R 96.00
HLWGY-40	R 110.00
HLWGY-50	R 110.00
HLWGY-65	R 128.00
HLWGY-80	R 260.00
HLWGY-100	R 320.00
HLWGY-125	R 640.00
HLWGY-150	R 640.00
HLWGY-200	R 1 100.00

Step 9 - Explosion Proof :

Part Number HLWGY-xxx N/A/B/Cn Z/W S/L F/T Tx N/Hnn NP N/EX

Part Number	Liquids Temperature	Price ZAR Extra
N	Normal	R -
EX	Explosion Proof Housing ExdIIBT6	R 640.00





Gas Turbine Flow Meter

Step 1 - Select Size : Part Number

HLWQ-xxx N/A/B/Cn/Dn S/W S/L F/T Tx N/Hnn ABS/AA N/EX

Nominal Diameter	Flow Range	Part Number	Price	Price	Price	Price	Price
(DNmm)	(m ³ /h)		N	A	B	C	D
	Liquid		Pulse Out, No Indication	4-20mA Out, No Indication	LCD Display, No Output	LCD Display, 4-20mA Out	Same as C Plus T&P Compensation
25	3 ~ 30	HLWQ-25 S1	R 8 960.00	R 10 100.00	R 12 200.00	R 12 800.00	R 20 100.00
	4 ~ 40	HLWQ-25 S2	R 8 960.00	R 10 100.00	R 12 200.00	R 12 800.00	R 20 100.00
40	5 ~ 50	HLWQ-40 S1	R 9 760.00	R 10 900.00	R 13 160.00	R 13 700.00	R 20 900.00
	8 ~ 80	HLWQ-40 S2	R 9 760.00	R 10 900.00	R 13 160.00	R 13 700.00	R 20 900.00
50	10 ~ 100	HLWQ-50 S1	R 10 360.00	R 11 500.00	R 13 760.00	R 14 300.00	R 21 560.00
	15 ~ 150	HLWQ-50 S2	R 10 360.00	R 11 500.00	R 13 760.00	R 14 300.00	R 21 560.00
65	15 ~ 200	HLWQ-65	R 11 300.00	R 12 360.00	R 14 600.00	R 15 100.00	R 22 400.00
80	15 ~ 3100	HLWQ-80	R 12 200.00	R 13 360.00	R 15 500.00	R 16 100.00	R 23 320.00
100	20 ~ 400	HLWQ-100	R 15 400.00	R 16 540.00	R 18 860.00	R 19 440.00	R 26 940.00
125	20 ~ 800	HLWQ-125	R 18 280.00	R 19 440.00	R 21 740.00	R 22 320.00	R 29 820.00
150	50 ~ 1000	HLWQ-150	R 20 000.00	R 21 160.00	R 23 500.00	R 24 100.00	R 31 560.00
200	150 ~ 2000	HLWQ-200	R 28 900.00	R 30 000.00	R 32 320.00	R 32 900.00	R 40 420.00
250	200 ~ 3000	HLWQ-250	R 47 160.00	R 48 300.00	R 50 600.00	R 51 200.00	R 58 700.00
300	250 ~ 4000	HLWQ-300	R 65 440.00	R 66 580.00	R 68 900.00	R 69 500.00	R 77 000.00

Step 2 - Output Signal: Part Number

HLWQ-xxx N/A/B/Cn/Dn S/W S/L F/T Tx N/Hnn ABS/AA N/EX

Part Number	Output (ONLY FOR HLWQ-xx-C & D)	Price ZAR Extra
C1/D1	RS485 (Modbus Protocol)	R 1 140.00
C2/D2	RS485 (HART)	R 1 140.00
C3/D3	pulse frequency signal, low level≤0.8V,high level≥8V	R 640.00





Gas Turbine Flow Meter

Step 3 - Extended Flow Range : Part Number

HLWQ-xxx N/A/B/Cn/Dn S/W S/L F/T Tx N/Hnn ABS/AA N/EX

Part Number	Extended Flow range	Price ZAR Extra
S= Standard / W = Extended		
HLWQ-25 W1	1.5 ~ 30	R 640.00
HLWQ-25 W2	2 ~ 40	R 640.00
HLWQ-25 W3	0.5 ~ 4	R 640.00
HLWQ-25 W4	0.7 ~ 7	R 640.00
HLWQ-25 W5	1.5 ~ 15	R 640.00
HLWQ-40 W1	2.5 ~ 50	R 640.00
HLWQ-40 W2	4 ~ 80	R 640.00
HLWQ-50 W1	10 ~ 200	R 640.00
HLWQ-50 W2	10 ~ 300	R 640.00
HLWQ-65	15 ~ 200	R 640.00
HLWQ-80 W1	10 ~ 300	R 640.00
HLWQ-80 W2	15 ~ 350	R 640.00
HLWQ-100 W1	15 ~ 400	R 640.00
HLWQ-100 W2	20 ~ 500	R 640.00
HLWQ-125 W1	18 ~ 800	R 640.00
HLWQ-125 W2	20 ~ 900	R 640.00
HLWQ-150 W1	25 ~ 1000	R 640.00
HLWQ-150 W2	50 ~ 1200	R 640.00
HLWQ-200	80 ~ 2500	R 640.00
HLWQ-250	150 ~ 3500	R 640.00
HLWQ-300	200 ~ 4000	R 640.00

Step 6 - Temperature Range : Part Number

HLWQ-xxx N/A/B/Cn/Dn S/W S/L F/T Tx N/Hnn ABS/AA N/EX

Part Number	Liquids Temperature	Price ZAR Extra
T1	Normal -10 to 80 °C	R -
T2	High: - 20 to 120 °C	R 480.00

Step 4 - Material : Part Number

HLWQ-xxx N/A/B/Cn/Dn S/W S/L F/T Tx N/Hnn ABS/AA N/EX

Part Number	Price ZAR Extra
	Stainless Steel 304 S Aluminium Alloy L
HLWQ-25	- P.O.R
HLWQ-40	- P.O.R
HLWQ-50	- P.O.R
HLWQ-65	- P.O.R
HLWQ-80	- P.O.R
HLWQ-100	- P.O.R
HLWQ-125	- P.O.R
HLWQ-150	- P.O.R
HLWQ-200	- P.O.R
HLWQ-250	- P.O.R
HLWQ-300	- P.O.R

Step 5 - Select Connection : Part Number

HLWQ-xxx N/A/B/Cn/Dn S/W S/L F/T Tx N/Hnn ABS/AA N/EX

Part Number	T = Thread / F = Flange
HLWQ-25	Thread OR Flange
HLWQ-40	Thread OR Flange
HLWQ-50	Flange
HLWQ-65	Flange
HLWQ-80	Flange
HLWQ-100	Flange
HLWQ-125	Flange
HLWQ-150	Flange
HLWQ-200	Flange
HLWQ-250	Flange
HLWQ-300	Flange



Gas Turbine Flow Meter

Step 7- Pressure Range : Part Number HLWQ-xxx N/A/B/Cn/Dn S/W S/L F/T Tx N/Hnn ABS/AA N/EX

Part Number	Pressure Rating (MPa)	Pressure (1.6MPa)	Pressure (2.5MPa)	Pressure (4 MPa)	Pressure (6.4 MPa)
		x Factor	P.O.R	P.O.R	P.O.R
	N	H1.6	H2.5	H4	H6.4
HLWQ-25	4	Not Avail	Not Avail	Not Avail	1.4
HLWQ-40	4	Not Avail	Not Avail	Not Avail	1.4
HLWQ-50	4	Not Avail	Not Avail	Not Avail	1.4
HLWQ-65	1.6	1	1.1	1.2	1.4
HLWQ-80	1.6	1	1.1	1.2	1.4
HLWQ-100	1.6	1	1.15	1.25	1.5
HLWQ-125	1.6	1	1.15	1.25	1.5
HLWQ-150	1.6	1	1.15	1.25	1.5
HLWQ-200	1.6	1	1.15	1.25	1.5
HLWQ-250	1.6	1	1.15	1.25	1.5
HLWQ-300	1.6	1	1.15	1.25	1.5

Step 8 - Material : Part Number

HLWQ-xxx N/A/B/Cn/Dn S/W S/L F/T Tx N/Hnn ABS/AA N/EX

Part Number	Price Extra	Price Extra
	Moving Parts	Moving Parts
	Anti Corrosive ABS (ABS)	Aluminium Alloy (AA)
HLWQ-25		P.O.R
HLWQ-40		P.O.R
HLWQ-50		P.O.R
HLWQ-65		P.O.R
HLWQ-80		P.O.R
HLWQ-100		P.O.R
HLWQ-125		P.O.R
HLWQ-150		P.O.R
HLWQ-200		P.O.R
HLWQ-250		P.O.R
HLWQ-300		P.O.R

Step 9 - Explosion Proof : Part Number

HLWQ-xxx N/A/B/Cn/Dn S/W S/L F/T Tx N/Hnn ABS/AA N/EX

Part Number	Liquids Temperature	Price Extra
N	Normal	R -
EX	Explosion Proof Housing ExdIIBT6	R 640.00





Ultrasonic Flow Meter



Step 1 - Select Type of Meter

PART NUMBER	WALL	PANEL	Ex
NAME	Wall Mounted	Panel Mounted	Ex-proof
PICTURE			
PRICE	R 7 000.00	R 7 000.00	R 9 200.00

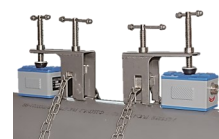
HLSDN15CS	Ultrasonic Flow - Carbon Steel - Inline Flow - DN15	R 5 360.00	HLSDN15SS	Ultrasonic Flow - Stainless Steel - Inline Flow - DN15	R 5 960.00
HLSDN20CS	Ultrasonic Flow - Carbon Steel - Inline Flow - DN20	R 5 360.00	HLSDN20SS	Ultrasonic Flow - Stainless Steel - Inline Flow - DN20	R 5 960.00
HLSDN25CS	Ultrasonic Flow - Carbon Steel - Inline Flow - DN25	R 5 360.00	HLSDN25SS	Ultrasonic Flow - Stainless Steel - Inline Flow - DN25	R 6 340.00
HLSDN32CS	Ultrasonic Flow - Carbon Steel - Inline Flow - DN32	R 5 360.00	HLSDN32SS	Ultrasonic Flow - Stainless Steel - Inline Flow - DN32	R 7 060.00
HLSDN40CS	Ultrasonic Flow - Carbon Steel - Inline Flow - DN40	R 5 360.00	HLSDN40SS	Ultrasonic Flow - Stainless Steel - Inline Flow - DN40	R 7 360.00
HLSDN50CS	Ultrasonic Flow - Carbon Steel - Inline Flow - DN50	R 5 360.00	HLSDN50SS	Ultrasonic Flow - Stainless Steel - Inline Flow - DN50	R 7 700.00
HLSDN65CS	Ultrasonic Flow - Carbon Steel - Inline Flow - DN65	R 5 700.00	HLSDN65SS	Ultrasonic Flow - Stainless Steel - Inline Flow - DN65	R 8 100.00
HLSDN80CS	Ultrasonic Flow - Carbon Steel - Inline Flow - DN80	R 6 000.00	HLSDN80SS	Ultrasonic Flow - Stainless Steel - Inline Flow - DN80	R 8 720.00
HLSDN100CS	Ultrasonic Flow - Carbon Steel - Inline Flow - DN100	R 6 400.00	HLSDN100SS	Ultrasonic Flow - Stainless Steel - Inline Flow - DN100	R 9 500.00
HLSDN125CS	Ultrasonic Flow - Carbon Steel - Inline Flow - DN125	R 7 360.00	HLSDN125SS	Ultrasonic Flow - Stainless Steel - Inline Flow - DN125	R 9 840.00
HLSDN150CS	Ultrasonic Flow - Carbon Steel - Inline Flow - DN150	R 8 160.00	HLSDN150SS	Ultrasonic Flow - Stainless Steel - Inline Flow - DN150	R 11 500.00
HLSDN200CS	Ultrasonic Flow - Carbon Steel - Inline Flow - DN200	R 10 000.00	HLSDN200SS	Ultrasonic Flow - Stainless Steel - Inline Flow - DN200	R 14 160.00
HLSDN250CS	Ultrasonic Flow - Carbon Steel - Inline Flow - DN250	R 11 700.00	HLSDN250SS	Ultrasonic Flow - Stainless Steel - Inline Flow - DN250	R 17 080.00
HLSDN300CS	Ultrasonic Flow - Carbon Steel - Inline Flow - DN300	R 13 600.00	HLSDN300SS	Ultrasonic Flow - Stainless Steel - Inline Flow - DN300	R 20 400.00
HLSDN350CS	Ultrasonic Flow - Carbon Steel - Inline Flow - DN350	R 17 000.00	HLSDN350SS	Ultrasonic Flow - Stainless Steel - Inline Flow - DN350	R 25 000.00
HLSDN400CS	Ultrasonic Flow - Carbon Steel - Inline Flow - DN400	R 23 900.00			
HLSDN450CS	Ultrasonic Flow - Carbon Steel - Inline Flow - DN450	R 26 900.00			
HLSDN500CS	Ultrasonic Flow - Carbon Steel - Inline Flow - DN500	R 31 600.00			
HLSDN600CS	Ultrasonic Flow - Carbon Steel - Inline Flow - DN600	R 44 200.00			
HLSDN700CS	Ultrasonic Flow - Carbon Steel - Inline Flow - DN700	R 59 200.00			
HLSDN800CS	Ultrasonic Flow - Carbon Steel - Inline Flow - DN800	R 72 000.00			
HLSDN900CS	Ultrasonic Flow - Carbon Steel - Inline Flow - DN900	R 83 000.00			
HLSDN1000CS	Ultrasonic Flow - Carbon Steel - Inline Flow - DN1000	R 93 000.00			





Ultrasonic Flow Meter

Item Code	Description	Price
HLSDN15CO	Ultrasonic Flow - Clamp On - DN15	R 2 900.00
HLSDN20CO	Ultrasonic Flow - Clamp On - DN20	R 2 900.00
HLSDN25CO	Ultrasonic Flow - Clamp On - DN25	R 2 900.00
HLSDN32CO	Ultrasonic Flow - Clamp On - DN32	R 2 900.00
HLSDN40CO	Ultrasonic Flow - Clamp On - DN40	R 2 900.00
HLSDN50CO	Ultrasonic Flow - Clamp On - DN50	R 2 900.00
HLSDN65CO	Ultrasonic Flow - Clamp On - DN65	R 3 320.00
HLSDN80CO	Ultrasonic Flow - Clamp On - DN80	R 3 700.00
HLSDN100CO	Ultrasonic Flow - Clamp On - DN100	R 4 360.00
HLSDN125CO	Ultrasonic Flow - Clamp On - DN125	R 4 800.00
HLSDN150CO	Ultrasonic Flow - Clamp On - DN150	R 5 800.00
HLSDN200CO	Ultrasonic Flow - Clamp On - DN200	R 7 580.00
HLSDN250CO	Ultrasonic Flow - Clamp On - DN250	R 9 700.00
HLSDN300CO	Ultrasonic Flow - Clamp On - DN300	R 11 740.00
HLSDN350CO	Ultrasonic Flow - Clamp On - DN350	R 15 080.00
HLSDN400CO	Ultrasonic Flow - Clamp On - DN400	R 20 080.00
HLSDN450CO	Ultrasonic Flow - Clamp On - DN450	R 24 300.00
HLSDN500CO	Ultrasonic Flow - Clamp On - DN500	R 28 400.00
HLSDN600CO	Ultrasonic Flow - Clamp On - DN600	R 40 900.00
HLSDN700CO	Ultrasonic Flow - Clamp On - DN700	R 51 320.00
HLSDN800CO	Ultrasonic Flow - Clamp On - DN800	R 59 600.00
HLSDN900CO	Ultrasonic Flow - Clamp On - DN900	R 72 160.00
HLSDN1000CO	Ultrasonic Flow - Clamp On - DN1000	R 80 500.00





Ultrasonic Level Transmitters

Item Code	Description	Price	Item Code	Description	Price
HGUL-T4	Non-explosion proof, Integral type, 2 wire - 4m	R 7 695.00	HGUL-F4	STD Remote Type Ultrasonic Level Transmitter Probe - 4m	R 4 151.25
HGUL-T6	Non-explosion proof, Integral type, 2 wire - 6m	R 8 100.00	HGUL-F6	STD Remote Type Ultrasonic Level Transmitter Probe - 6m	R 4 455.00
HGUL-T8	Non-explosion proof, Integral type, 2 wire - 8m	R 8 808.75	HGUL-F8	STD Remote Type Ultrasonic Level Transmitter Probe - 8m	R 4 657.50
HGUL-T12	Non-explosion proof, Integral type, 2 wire - 12m	R 9 720.00	HGUL-F12	STD Remote Type Ultrasonic Level Transmitter Probe - 12m	R 5 366.25
HGUL-T15	Non-explosion proof, Integral type, 2 wire - 15m	R 11 299.50	HGUL-F15	STD Remote Type Ultrasonic Level Transmitter Probe- 15m	R 5 933.25
HGUL-T20	Non-explosion proof, Integral type, 2 wire - 20m	R 12 858.75	HGUL-F20	STD Remote Type Ultrasonic Level Transmitter Probe- 20m	R 7 634.25
HGUL-T30	Non-explosion proof, Integral type, 2 wire - 30m	R 14 418.00	HGUL-F30	STD Remote Type Ultrasonic Level Transmitter Probe - 30m	R 9 720.00
HGUL-T40	Non-explosion proof, Integral type, 2 wire - 40m	R 15 896.25	HGUL-F40	STD Remote Type Ultrasonic Level Transmitter Probe- 40m	R 11 340.00
HGUL-N4	Non-explosion proof, Integral type, 3 wire - 4m	R 7 695.00	HGUL-F-Trans	STD Remote Type Ultrasonic Level Transmitter Wall mount unit	R 4 576.50
HGUL-N6	Non-explosion proof, Integral type, 3 wire - 6m	R 8 100.00			
HGUL-N8	Non-explosion proof, Integral type, 3 wire - 8m	R 8 808.75			
HGUL-N12	Non-explosion proof, Integral type, 3 wire - 13m	R 9 720.00			
HGUL-N15	Non-explosion proof, Integral type, 3 wire - 15m	R 11 299.50			
HGUL-N20	Non-explosion proof, Integral type, 3 wire - 30m	R 12 858.75			
HGUL-N30	Non-explosion proof, Integral type, 3 wire - 30m	R 14 418.00			
HGUL-N40	Non-explosion proof, Integral type, 3 wire - 40m	R 15 896.25			
HGUL-U4	Non-explosion proof, Integral type, 4 wire - 4m	R 7 695.00			
HGUL-U6	Non-explosion proof, Integral type, 4 wire - 6m	R 8 100.00			
HGUL-U8	Non-explosion proof, Integral type, 4 wire - 8m	R 8 808.75			
HGUL-U12	Non-explosion proof, Integral type, 4 wire - 14m	R 9 720.00			
HGUL-U15	Non-explosion proof, Integral type, 4 wire - 15m	R 11 299.50			
HGUL-U20	Non-explosion proof, Integral type, 4 wire - 40m	R 12 858.75			
HGUL-U30	Non-explosion proof, Integral type, 4 wire - 40m	R 14 418.00			
HGUL-U40	Non-explosion proof, Integral type, 4 wire - 40m	R 15 896.25			





Ultrasonic Level Transmitters

Item Code	Description	Price
HGUL-M4	Enhanced Remote Type Ultrasonic Level Transmitter Probe - 4m	R 4 151.25
HGUL-M6	Enhanced Remote Type Ultrasonic Level Transmitter Probe - 6m	R 4 455.00
HGUL-M8	Enhanced Remote Type Ultrasonic Level Transmitter Probe - 8m	R 4 657.50
HGUL-M12	Enhanced Remote Type Ultrasonic Level Transmitter Probe - 12m	R 5 366.25
HGUL-M15	Enhanced Remote Type Ultrasonic Level Transmitter Probe- 15m	R 5 933.25
HGUL-M20	Enhanced Remote Type Ultrasonic Level Transmitter Probe- 20m	R 7 634.25
HGUL-M30	Enhanced Remote Type Ultrasonic Level Transmitter Probe - 30m	R 9 720.00
HGUL-M40	Enhanced Remote Type Ultrasonic Level Transmitter Probe- 40m	R 11 340.00
HGUL-M- Trans	Enhanced Remote Type Ultrasonic Level Transmitter Wall mount unit	R 5 062.50



Item Code	Description	Price
HGUL-G4	Difference-level Remote Type Ultrasonic Level Transmitter Probe - 4m	R 4 151.25
HGUL-G6	Difference-level Remote Type Ultrasonic Level Transmitter Probe - 6m	R 4 455.00
HGUL-G8	Difference-level Remote Type Ultrasonic Level Transmitter Probe - 8m	R 4 657.50
HGUL-G12	Difference-level Remote Type Ultrasonic Level Transmitter Probe - 12m	R 5 366.25
HGUL-G15	Difference-level Remote Type Ultrasonic Level Transmitter Probe- 15m	R 5 933.25
HGUL-G20	Difference-level Remote Type Ultrasonic Level Transmitter Probe- 20m	R 7 634.25
HGUL-G30	Difference-level Remote Type Ultrasonic Level Transmitter Probe - 30m	R 9 720.00
HGUL-G40	Difference-level Remote Type Ultrasonic Level Transmitter Probe- 40m	R 11 340.00
HGUL-G- Trans	Difference-level Remote Type Ultrasonic Level Transmitter Wall mount unit	R 5 670.00





**NEW
COLLECTION**

Diffusive Silicon Pressure & Level Transmitters



Product	Price	Options	Price
308 Diffusive Silicon Pressure Transmitter	R 2 275.42	Heat Sink	R 490.78
		2 * 3" Flange (Diaphragm Seal)	R 3 295.50
		2 * 4" Flange (Diaphragm Seal)	R 3 875.51
		Pointer Display	R 178.46
		LCD Display	R 490.78
316 Diffusive Silicon Pressure Transmitter	R 2 275.42	Extended Diaphragm Seal	R 1 963.10
		Heat Sink	R 490.78
Submersible Type Diffusive Silicon Level Transmitter (Inc.5m line)	R 2 565.42	LCD Display	R 490.78
		SS Flange	R 334.62
Radio Frequency Capacitance Type Level Transmitter (Inc.5m line)	R 3 167.74	Smart with HART	R 1 963.10
		SS Flange	R 334.62
		Cable cost per meter	R 33.46

Note: 1) This price list is on EXW basis. Price may be changed as per exchange rate.

Item Code	Description	Price
HH308-A1-G-3-1	308 Diffusive Silicon Gauge Pressure Transmitter with LCD - 0~35kPa	R 2 767.60
HH308-A1-G-3-2	308 Diffusive Silicon Gauge Pressure Transmitter with LCD - 0~100kPa	R 2 767.60
HH308-A1-G-3-3	308 Diffusive Silicon Gauge Pressure Transmitter with LCD - 0~200kPa	R 2 767.60
HH308-A1-G-3-4	308 Diffusive Silicon Gauge Pressure Transmitter with LCD - 0~350kPa	R 2 767.60
HH308-A1-G-3-5	308 Diffusive Silicon Gauge Pressure Transmitter with LCD - 0~700kPa	R 2 767.60
HH308-A1-G-3-6	308 Diffusive Silicon Gauge Pressure Transmitter with LCD - 0~2.0MPa	R 2 767.60
HH308-A1-G-3-7	308 Diffusive Silicon Gauge Pressure Transmitter with LCD - 0~3.5MPa	R 2 767.60
HH308-A1-G-3-8	308 Diffusive Silicon Gauge Pressure Transmitter with LCD - 0~7MPa	R 2 767.60
HH308-A1-G-3-9	308 Diffusive Silicon Gauge Pressure Transmitter with LCD - 0~20MPa	R 2 767.60
HH308-A1-G-3-0	308 Diffusive Silicon Gauge Pressure Transmitter with LCD - 0~60MPa	R 2 767.60



**NEW
COLLECTION**

Diffusive Silicon Pressure & Level Transmitters

Item Code	Description	Price
HH316-A1-G-3-1	316 Diffusive Silicon Gauge Pressure Transmitter with LCD - 0~35kPa	R 3 019.20
HH316-A1-G-3-2	316 Diffusive Silicon Gauge Pressure Transmitter with LCD - 0~100kPa	R 3 019.20
HH316-A1-G-3-3	316 Diffusive Silicon Gauge Pressure Transmitter with LCD - 0~200kPa	R 3 019.20
HH316-A1-G-3-4	316 Diffusive Silicon Gauge Pressure Transmitter with LCD - 0~350kPa	R 3 019.20
HH316-A1-G-3-5	316 Diffusive Silicon Gauge Pressure Transmitter with LCD - 0~700kPa	R 3 019.20
HH316-A1-G-3-6	316 Diffusive Silicon Gauge Pressure Transmitter with LCD - 0~2.0MPa	R 3 019.20
HH316-A1-G-3-7	316 Diffusive Silicon Gauge Pressure Transmitter with LCD - 0~3.5MPa	R 3 019.20
HH316-A1-G-3-8	316 Diffusive Silicon Gauge Pressure Transmitter with LCD - 0~7MPa	R 3 019.20
HH316-A1-G-3-9	316 Diffusive Silicon Gauge Pressure Transmitter with LCD - 0~20MPa	R 3 019.20
HH316-A1-G-3-0	316 Diffusive Silicon Gauge Pressure Transmitter with LCD - 0~60MPa	R 3 019.20



Item Code	Description	Price
HHLT-3330	Submersible Type Diffusive Silicon Level Transmitter - 0-1.2-7.2kPa	R 2 798.64
HHLT-4430	Submersible Type Diffusive Silicon Level Transmitter - 0-6-36kPa	R 2 798.64
HHLT-4530	Submersible Type Diffusive Silicon Level Transmitter - 0-30-180kPa	R 2 798.64
HHLT-4630	Submersible Type Diffusive Silicon Level Transmitter - 0-160-1000kPa	R 2 798.64
HHLT-4730	Submersible Type Diffusive Silicon Level Transmitter - 0-400-2500kPa	R 2 798.64
HHLT-4830	Submersible Type Diffusive Silicon Level Transmitter - 0-1600-10000kPa	R 2 798.64



**NEW
COLLECTION**

Capacitance Type Pressure & Differential Pressure Transmitter



Product	Model	Price	Remark
General Purpose Pressure Transmitter	SHHGP-1300 to 1800	R 3 764.48	
	SHHGP-1200/1900/1000	R 4 410.90	



Absolute Pressure Transmitter	SHHAP-2400 to 2800	R 6 469.32	
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Differential Pressure Transmitter	SHHDP-3300 to 8800	R 6 469.32	
	SHHDP-1100 to 3200	R 6 803.94	
	SHHHP-7400 to 9500	R 6 803.94	



Sub Pressure Transmitter	SHHSP-0200	R 6 803.94	
	SHHSP-0300 to 0500	R 6 469.32	



Flange Type Level Transmitter	3" Flange (Diaphragm Seal)	Basic Price +	R 2 788.50	
	4" Flange (Diaphragm Seal)	Basic Price +	R 3 279.28	
	2 * 3" Flange (Diaphragm Seal)	Basic Price +	R 3 802.50	



DPT with Remote Diaphragm Seal	2 * 4" Flange (Diaphragm Seal)	Basic Price +	R 4 471.74	
	Extended Diaphragm Seal	Basic Price + Flange +	R 334.62	



Special Isolation Diaphragm (F23)		R 646.93	Hastelloy C
Special Isolation Diaphragm (F24)		R 646.93	Monel
Special Isolation Diaphragm (F25)	Basic Price +	R 1 137.71	Tantalum
Special Isolation Diaphragm (F26)		R 646.93	Hastelloy B



Capillary Tube	≤ 5 m	R 178.46	
	6- 10 m	R 423.85	
	11 – 15 m	Basic Price + R 713.86	



Waste-shaped Flange	Stainless Steel	R 133.85	
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Isolation Explosion		R 646.93	
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Note:

1) This price list is on EXW basis. Price may be changed as per exchange rate.



**NEW
COLLECTION**

Capacitance Type Pressure & Differential Pressure Transmitter

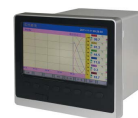


Item Code	Description	Price
General Purpose Press Transmitter		
HHGP-1200	General Purpose Press Transmitter - - 0-0.25~1.5kPa	R 4 410.90
HHGP-1300	General Purpose Press Transmitter - - 0-1.2~7.2kPa	R 3 764.48
HHGP-1400	General Purpose Press Transmitter - - 0-6~36kPa	R 3 764.48
HHGP-1500	General Purpose Press Transmitter - - 0-30~180kPa	R 3 764.48
HHGP-1600	General Purpose Press Transmitter - - 0-160~1000kPa	R 3 764.48
HHGP-1700	General Purpose Press Transmitter - - 0-400~2500kPa	R 3 764.48
HHGP-1800	General Purpose Press Transmitter - - 0-1600~10000kPa	R 3 764.48
HHGP-1900	General Purpose Press Transmitter - - 0-4000~25000kPa	R 4 410.90
HHGP-1000	General Purpose Press Transmitter - - 0-7000~40000kPa	R 4 410.90
Absolute Press Transmitter		
HHAP-2400	Absolute Press Transmitter - - 0-6~40kPa	R 6 469.32
HHAP-2500	Absolute Press Transmitter - - 0-40~250kPa	R 6 469.32
HHAP-2600	Absolute Press Transmitter - - 0-0.16~1MPa	R 6 469.32
HHAP-2700	Absolute Press Transmitter - - 0-0.4~2.5MPa	R 6 469.32
HHAP-2800	Absolute Press Transmitter - - 0-1.6~10MPa	R 6 469.32
Differential Pressure Transmitter		
HHDP-3300	Differential Pressure Transmitter - 0-1.2~7.2kPa	R 6 469.32
HHDP-5300	Differential Pressure Transmitter - 0-1.2~7.2kPa	R 6 469.32
HHDP-5400	Differential Pressure Transmitter - 0-6~36kPa	R 6 469.32
HHDP-5500	Differential Pressure Transmitter - 0-30~180kPa	R 6 469.32
HHDP-6400	Differential Pressure Transmitter - 0-6~36kPa	R 6 469.32
HHDP-6500	Differential Pressure Transmitter - 0-30~180kPa	R 6 469.32
HHDP-9600	Differential Pressure Transmitter - 0-160~1000kPa	R 6 469.32
HHDP-9700	Differential Pressure Transmitter - 0-400~2500kPa	R 6 469.32
HHDP-8800	Differential Pressure Transmitter - 0-1600~10000kPa	R 6 469.32
Smart Low/High Static Differential Pressure Transmitter		
HHDR-1100	Smart Low Differential Pressure Transmitter - 0-0.06~0.3kPa	R 6 803.94
HHDR-1200	Smart Low Differential Pressure Transmitter - 0-0.25~1.5kPa	R 6 803.94
HHDR-3200	Smart Low Differential Pressure Transmitter - 0-0.25~1.5kPa	R 6 803.94
HHHP-7400	Smart High Static Differential Pressure Transmitter - 0-6~36kPa	R 6 803.94
HHHP-8400	Smart High Static Differential Pressure Transmitter - 0-6~36kPa	R 6 806.14
HHHP-9400	Smart High Static Differential Pressure Transmitter - 0-6~36kPa	R 6 808.34
HHHP7500	Smart High Static Differential Pressure Transmitter - 0-6~36kPa	R 6 810.54
HHHP-8500	Smart High Static Differential Pressure Transmitter - 0-30~180kPa	R 6 812.74
HHHP-9500	Smart High Static Differential Pressure Transmitter - 0-30~180kPa	R 6 814.94
Sub Pressure Transmitter		
SHHSP-0200	Sub Pressure Transmitter - SHHSP-0200	R 6 814.94
SHHSP-0300	Sub Pressure Transmitter - SHHSP-0300	R 6 469.32
SHHSP-0400	Sub Pressure Transmitter - SHHSP-0400	R 6 469.32
SHHSP-0500	Sub Pressure Transmitter - SHHSP-0500	R 6 469.32



Paperless Recorders

Item Code	Description	Price
HGPR-8100	Paperless Recorders - Std unit with 1 x input, 1 x Output, No Alarm and No Communication. Add R311.00 per extra input channel up to 21 Channels. Add R 222.35 per output channel up to 12 channels. Add R 350.00 for RS232/RS485 Communication.	R 6 000.00
HGPR-8600	Paperless Recorders - Std unit with 1 x input, 1 x Output, No Alarm and No Communication. SD card extension function. USB data transfer. Add R311.00 per extra input channel up to 21 Channels. Add R 222.35 per output channel up to 12 channels. Add R 350.00 for RS232/RS485 Communication.	R 6 750.00
HGPR-8700	Paperless Recorders - Std unit with 1 x input, 1 x Output, No Alarm and No Communication. SD card extension function. USB data transfer. Add R311.00 per extra input channel up to 21 Channels. Add R 222.35 per output channel up to 12 channels. Add R 350.00 for RS232/RS485 Communication.	R 6 750.00



Coriolis Mass Flow Meter

Item Code	Description	Price
HG-CMF I- DN1	Coriolis Mass Flow Meter - 0-0.04(t/h) - 30Mpa	R 37 500.00
HG-CMF I- DN3	Coriolis Mass Flow Meter - 0-0.35(t/h) - 30Mpa	R 37 500.00
HG-CMF I- DN6	Coriolis Mass Flow Meter - 0-0.7(t/h) - 30Mpa	R 45 000.00
HG-CMF I- DN10	Coriolis Mass Flow Meter - 0-1.2(t/h) - 30Mpa	R 45 000.00
HG-CMF I- DN15	Coriolis Mass Flow Meter - 0-6.4(t/h) - 4Mpa	R 47 490.00
HG-CMF I- DN25	Coriolis Mass Flow Meter - 0-16(t/h) - 4Mpa	R 50 025.00
HG-CMF I- DN40	Coriolis Mass Flow Meter - 0-40(t/h) - 4Mpa	R 54 990.00
HG-CMF I- DN50	Coriolis Mass Flow Meter - 0-65(t/h) - 4Mpa	R 57 750.00
HG-CMF I- DN80	Coriolis Mass Flow Meter - 0-160(t/h) - 2.5Mpa	R 62 490.00
HG-CMF I- DN100	Coriolis Mass Flow Meter - 0-250(t/h) - 2.5Mpa	R 84 000.00
HG-CMF I- DN150	Coriolis Mass Flow Meter - 0-550(t/h) - 2.5Mpa	R 120 000.00





INDUSTRIAL LABELLERS

DYMO

brother

PICTURE	ORDER CODE	DESCRIPTION	PRICE
	PT-7600	Electronic Labeller Prints on TZ laminated tapes, Strong Adhesive & Flexible ID Tapes. Max print size - 18mm Includes: PT-7600, 12mm Black on White flexi ID tape, Hard Carry case, Rechargeable Battery Pack, AC Adapter, USB Cable, Label Design Software, Hand Strap	R 2,687.00
	DYMO M11	DYMO M11 Industrial Metal Tape Embosser Includes: Hard Carry Case, 1 horizontal character wheel, Embossing Tool, 4.8m Aluminium Tape with adhesive, 6.4m roll Stainless Steel tape without adhesive, 1 Reverse Image wheel. 12mm tapes. Weight 1.7kg Dimensions: (LxWxH) 350mm X 50mm X 120mm	R 5,980.00

Panel Flex Wire

ORDER CODE	DESCRIPTION	PRICE
W503 BK	1 mm BLACK FLEX WIRE /100m	R 166.00
W503 BL	1 mm BLUE FLEX WIRE /100m	R 166.00
W503 BR	1 mm BROWN FLEX WIRE /100m	R 166.00
W503 G/Y	1 mm GREEN/YELLOW FLEX WIRE/100m	R 166.00
W503 GN	1 mm GREEN FLEX WIRE /100m	R 166.00
W503 GR	1 mm GREY FLEX WIRE /100m	R 166.00
W503 O	1 mm ORANGE FLEX WIRE /100m	R 166.00
W503 P	1 mm PINK FLEX WIRE /100m	R 166.00
W503 R	1 mm RED FLEX WIRE /100m	R 166.00
W503 V	1 mm VIOLET FLEX WIRE /100m	R 166.00
W503 WH	1 mm WHITE FLEX WIRE /100m	R 166.00
W503 Y	1 mm YELLOW FLEX WIRE /100m	R 166.00



Bootlace, Glands & Utility Boxes

ORDER CODE	DESCRIPTION	PRICE
BOOTLACE		
9019080000	1mm red bootlace	R 0.21
9019120000	1.5mm bootlace	R 0.21
9021070000	2.5mm bootlace	R 0.21
GLANDS (Metal)		
053500	No .00 compression gland	R 33.39
0535-0	No.0 compression glands	R 38.20
0503-0	No.0 SWA glands	R 34.79
0535-1	No.1 compression glands	R 38.03
050301	No.1 SWA glands	R 46.12
0535-2	No.2 compression glands	R 64.38
050302	No.2 SWA glands	R 86.81
0535-3	No.3 compression gland	R 98.03
050303	No.3 SWA glands	R 131.69
UTILITY BOXES		
102101	CCG utility box size 1 Inner dim: 88mm Outer Dim: 118mm Entry Points: 4	R 163.16
102102	CCG utility box size 2 Inner dim: 123mm Outer Dim: 138mm Entry Points: 4	R 238.50



TERMINALS



SCREW CLAMP TERMINAL BLOCKS

These Feed Through Terminal Blocks are the most versatile terminals for Control, Automation, Instrumentation and Power Distribution applications. A specially designed flexible foot enables easy mounting and dismounting from the mounting rail with the help of a screwdriver. These Terminal Blocks have marker holding recesses to accept marking tags for circuit identification. Cross connection can be achieved with the aid of shorting links / sleeves & screws. Insulation Material is Polyamide 66.

	ORDER CODE	DESCRIPTION	PRICE
	Standard Feed Through Terminal Blocks (G or Tophat Rail)		
	*CTS2.5UN	Terminal 0.5to2.5mm ² Wire , 5mm Pitch, 45mm H, 43mm W	R 4.50
	*EP2.5/4UN	End Plate	R 1.60
	CA702	End Clamp	R 4.10
	CA741/10	Insulated Pre-Assembled Shorting Link- 10 Way	R 16.00
	CA741/100	Insulated Pre-Assembled Shorting Link- 100 Way	R 150.00
	CA717/10	Insulated Comb - 10 Way	R 12.00
	CA509/K5	Terminal Marker	R 0.50
	Standard Feed Through Terminal Blocks (G or Tophat Rail)		
	*CTS4UN	Terminal 0.5to4mm ² Wire , 6mm Pitch, 45mm H, 43mm W	R 5.20
	*EP2.5/4UN	End Plate	R 1.60
	CA702	End Clamp	R 4.10
	CA742/100	Insulated Pre-Assembled Shorting Link- 100 Way	R 150.00
	CA713/10	Insulated Comb - 10 Way	R 12.00
	Standard Feed Through Terminal Blocks (G or Tophat Rail)		
	*CTS10U	Terminal 1.5to10mm ² Wire 10mm Pitch, 47mm H, 43mm W	R 5.30
	*EP6/10U	End Plate	R 1.60
	CA702	End Clamp	R 4.10
	CA509/K10	Terminal Marker	R 0.50
	Single Level Fuse Terminal Blocks with LED Indication (G or Tophat Rail)		
	*CSFL4U(L) 24V	Terminal 0.5to4mm ² Wire , 8mm Pitch, 43mm H, 58mm W- Specify Voltage	R 49.50
	EPCSFL4U	End Plate	R 1.60
	CA702	End Clamp	R 4.10
	CA711/10	Insulated Comb - 10 Way	R 12.00
	CA509/K2	Terminal Marker	R 0.50
	Double Level Fuse Terminal Blocks with LED Indication (G or Tophat Rail)		
	*DDFL4UE	24V Terminal 0.5to4mm ² Wire , 8mm Pitch, 66mm H, 88mm W	R 59.10
	EPDDL4U	End Plate	R 2.60
	CA702	End Clamp	R 4.10
	CA711/10	Insulated Comb - 10 Way	R 12.00
	CA509/K2	Terminal Marker	R 0.50
	Group Terminal Markers		
	*GMH6	Group Marker suitable for mounting on Din 15 / Din 32 / Din 35 Rails 9.5mm Pitch, 46.5mm H, 44.5 W	R 4.60
	GMH7	Group Marker suitable for mounting on Din 15 / Din 32 / Din 35 Rails 19.5mm Pitch, 46.5mm H, 44.5 W	R 6.10

NOTE: * PREFERRED STOCK ITEM



TERMINALS

SCREW CLAMP TERMINAL BLOCKS

These Feed Through Terminal Blocks are the most versatile terminals for Control, Automation, Instrumentation and Power Distribution applications. A specially designed flexible foot enables easy mounting and dismounting from the mounting rail with the help of a screwdriver. These Terminal Blocks have marker holding recesses to accept marking tags for circuit identification. Cross connection can be achieved with the aid of shorting links / sleeves & screws. Insulation Material is Polyamide 66.

	ORDER CODE	DESCRIPTION	PRICE
	Double Level Terminal Blocks - Screw Clamp		
	*CDL4UN	4 sq.mm Double Level Terminal Block	R 5.20
	EPCDL4UN	End Plate in Grey colour	R 4.60
	*CA702 or CA802	End Clamp	R 4.10
	CA509/K6	Marking Tags	R 0.50

Disconnect & Test Terminal Blocks

	CKT4U/S	4 sq.mm Knife Type Disconnect & Test Terminal Blocks w Standard screw	R 9.80
	EPCKT4U	End Plate in Grey colour	R 4.60
	*CA702/802	End Clamp	R 4.10

Other Items

	Slim Pluggable Relay Module 24V DC Coil - 1x 6A Change over Contact		
	*IMSR1SS1/24	Relay 0.5to2.5mm ² Wire , 6.2 mm Pitch, 70.9mm H, 88.3 mm W	R 99.20
	IMACC /SR1S/24	Spare Relay	R 45.90
	IMACCSL1/8	Shorting link 8 way	R 19.50
	CA702	End Clamp	R 4.10
	GMH6	Small Group Marker, 9.5mm Pitch, 46.5mm H, 44.5 W	R 4.60
	GMH7	Big Group Marker, 19.5mm Pitch, 46.5mm H, 44.5 W	R 6.10
	CA509/K6	Terminal Marker	R 0.50
	Ground / Earth Screw Terminal Blocks (G or Tophat Rail)		
	CGT4N	Terminal 0.5to2.5mm ² Wire , 6mm Pitch, 48mm H, 43mm W	R 9.80
	CA509/K6	Terminal Marker	R 0.50
	Neutral / Earth Clamps		
	*CENC4	Clamp 0.5to6mm ² Wire , 7.5mm Pitch, 30mm H, 23.3mm W	R 2.80
	*NES	Plastic Support with fixing screw	R 2.70
	NEB10	Bus Bar (10x3mm) 1 meter	R 93.00
	CA202	Bus Bar Support for DIN35 Rail Mounting	R 6.20
	Din Rail Mount Switch & 3 Pin 16A Plug		
	CDINSW1	Din Rail Switch 16A	R 92.00
	*CDINS16	16A 3 Prong Plug	R 98.00

NOTE: * PREFERRED STOCK ITEM



TERMINALS



Spring Clamp Terminal Blocks

These Terminal Blocks are an ideal choice for compact junction boxes having limitations of space and height. A major advantage of Angular Terminal Blocks over the top wire entry Terminal Blocks is that their profile remains the same across the entire range of Feed Through, Multiple Connection, Ground and Ground Multiple Connection Terminal Blocks.

The other advantages include: Angular entry of wires saves conductor length, marking / identification facility on the centre (top) of the block, Multiplication of connections through bridging. Step Down shorting links are used for shorting spring clamp Terminal Blocks of different sizes.

	Angular Feed Through Terminal Blocks (Tophat Rail)		
	AS2.5	Terminal 0.5to4mm ² Wire , 5mm Pitch, 42mm H, 54mm W	R 4.20
	EPAS2.5	End Plate	R 2.60
	CA702	End Clamp	R 4.10
	CA801/1	Insulated Push In Shorting Link - 2 Way	R 2.50
	CA801/1-3	Insulated Push In Shorting Alternate Link- 2 Way (Skip one)	R 3.50
	GMH6	Small Group Marker, 9.5mm Pitch, 46.5mm H, 44.5 W	R 4.60
	GMH7	Big Group Marker, 19.5mm Pitch, 46.5mm H, 44.5 W	R 6.10
	CA509/K5	Terminal Marker	R 0.50
	Double Level Angular Feed Through Terminal Blocks (Tophat Rail)		
	ADL2.5	Terminal 0.5to4mm ² Wire , 5mm Pitch, 50mm H, 79.5mm W	R 9.80
	EPADL2.5	End Plate	R 4.60
	CA702	End Clamp	R 4.10
	CA801/1	Insulated Push In Shorting Link - 2 Way	R 2.50
	CA801/1-3	Insulated Push In Shorting Alternate Link- 2 Way (Skip one)	R 3.50
	GMH6	Small Group Marker, 9.5mm Pitch, 46.5mm H, 44.5 W	R 4.60
	GMH7	Big Group Marker, 19.5mm Pitch, 46.5mm H, 44.5 W	R 6.10
	CA509/K5	Terminal Marker	R 0.50
	Angular Fuse Terminal Blocks with LED Indication (Tophat Rail)		
	ASF4(L)	Terminal 0.5 to 4mm ² Wire , 8mm Pitch, 60mm H, 86mm W With fuse & LED indication	R 56.30
	ASF4(L) W/F	Terminal Block - without fuse	R 56.00
	ASF4(L)/24V	Terminal Block for 24V AC/DC	R 56.30
	EPASF4	End Plate	R 4.60
	CA702	End Clamp	R 4.10
	CA801/7	Insulated Push In Shorting Link - 2 Way	R 5.50
	GMH6	Small Group Marker, 9.5mm Pitch, 46.5mm H, 44.5 W	R 4.60
	GMH7	Big Group Marker, 19.5mm Pitch, 46.5mm H, 44.5 W	R 6.10
	CA509/K2	Terminal Marker	R 0.50

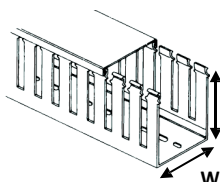
NOTE: * PREFERRED STOCK ITEM



TRUNKING / DIN RAILS / RELAYS

TRUNKING

ORDER CODE	DIMENSIONS W x H x L	PRICE
40mm Height		
02579	40 x 40 x 2000mm	R 96.20
00837	60 x 40 x 2000mm	R 115.77
00838	80 x 40 x 2000mm	R 139.41
00845	100 x 40 x 2000mm	R 181.79
60mm Height		
02580	40 x 60 x 2000mm	R 113.31
02583	60 x 60 x 2000mm	R 151.63
00839	80 x 60 x 2000mm	R 170.39
00840	100 x 60 x 2000mm	R 207.89
00843	120 x 60 x 2000mm	R 239.67



ORDER CODE	DIMENSIONS W x H x L	PRICE
80mm Height		
02581	40 x 80 x 2000mm	R 141.04
02584	60 x 80 x 2000mm	R 189.13
02586	80 x 80 x 2000mm	R 220.11
02588	100 x 80 x 2000mm	R 251.09
00841	120 x 80 x 2000mm	R 291.04
100mm Height		
02582	40 x 100 x 2000mm	R 167.14
02585	60 x 100 x 2000mm	R 219.31
02587	80 x 100 x 2000mm	R 259.26
02589	100 x 100 x 2000mm	R 289.41

DIN RAIL

ORDER CODE	DIMENSIONS	PRICE
0514570000	Slotted Din Rail	R 51.53 pm



RELAYS

TYPE/CODE	DESCRIPTION			PRICE
40.61	Miniature P.C.B. Relay	16A 1 changeover 12,24 VDC		R 28.50
		80,90,110 VDC		R 42.70
		12,24 VAC		R 36.90
		6,48,60,110 VAC		R 47.10
		230,240 VAC		R 60.50
95.05 SPA	Surf/DIN mounting screw terminal socket for 40/44 series			R 33.80
40.52	Miniature P.C.B. Relay	8A 2 changeover 12,24VDC		R 33.30
		80,90,110 VDC		R 47.90
		12,24 VAC		R 41.90
		6,48,60,110 VAC		R 52.10
		230,240 VAC		R 64.30





SWITCHES



PUSH BUTTONS & SELECTOR SWITCH BODIES

PICTURE	ORDER CODE	DESCRIPTION	PRICE
	ZB4BZ101	Single Contact Block with body/fixing collar 1NO screw clamp terminal	R 80.56
	ZB4BZ102	Single Contact Block with body/fixing collar 1NC screw clamp terminal	R 80.56
	ZB4BZ103	Double Contact Block with body/fixing collar 2NO screw clamp terminal	R 129.32
	ZB4BZ104	Double Contact Block with body/fixing collar 2NC screw clamp terminal	R 129.32
	ZB4BZ105	Double Contact Block with body/fixing collar 1NC & 1NO screw clamp terminal	R 129.32



HEADS FOR SELECTOR SWITCHES - Standard Black Handle

	ORDER CODE	Nr of Type positions	PRICE
	Standard – handle black		
	ZB4BD2	Black Selector Switch Head Ø22 2-Position Stay Put	R 168.54
	ZB4BD3	Black Selector Switch Head Ø22 3-Position Stay Put	R 168.54
	ZB4BD4	Black Selector Switch Head Ø22 2-Position Spring Return to L	R 168.54
	ZB4BD5	Black Selector Switch Head Ø22 3-Position Spring Return to Centre	R 168.54



HEADS FOR SELECTOR SWITCHES - Long Black Handle

	ZB4BJ2	Black Selector Switch Head Ø22 2-Position Stay Put	R 167.48
	ZB4BJ3	Black Selector Switch Head Ø22 3-Position Stay Put	R 167.48
	ZB4BJ4	Black Selector Switch Head Ø22 2-Position Spring Return to L	R 186.56
	ZB4BJ5	Black Selector Switch Head Ø22 3-Position Spring Return to Centre	R 186.56



Complete Pilot Light with "Protected LED"

Voltage	24v		48...120v		230...240v	
COLOUR	CODE	PRICE	CODE	PRICE	CODE	PRICE
White	XB4BVB1	R 180.20	XB4BVG1	R 227.90	XB4BVM1	R 275.60
Green	XB4BVB3	R 180.20	XB4BVG3	R 227.90	XB4BVM3	R 275.60
Red	XB4BVB4	R 180.20	XB4BVG4	R 227.90	XB4BVM4	R 275.60
Yellow	XB4BVB5	R 180.20	XB4BVG5	R 227.90	XB4BVM5	R 275.60
Blue	XB4BVB6	R 180.20	XB4BVG6	R 227.90	XB4BVM6	R 275.60



COMPLETE PUSHBUTTONS

ORDER CODE	DESCRIPTION	PRICE
XB4BA21	Black Flush Complete Pushbutton Ø22 Spring Return 1NO	R 154.76
XB4BA31	Green Flush Complete Pushbutton Ø22 Spring Return 1NO	R 154.76
XB4BA42	Red Flush Complete Pushbutton Ø22 Spring Return 1NC	R 154.76
XB4BA51	Yellow Flush Complete Pushbutton Ø22 Spring Return 1NO	R 154.76
XB4BA61	Blue Flush Complete Pushbutton Ø22 Spring Return 1NO	R 154.76
XB4BA3311	Green Flush Complete Pushbutton Ø22 Spring Return 1NO, with "I" in white	R 165.36
XB4BA33122	Red Flush Complete Pushbutton Ø22 Spring Return 1NO, with "O" in white	R 165.36





SWITCHES

HEADS FOR SPRING RETURN PUSHBUTTONS



ZB4BA0



ZB4BA1

ORDER CODE	DESCRIPTION	PRICE
ZB4BA0	Pushbutton Head Ø22 Spring Return without Cap	R 65.72
ZB4BA1	Pushbutton Head Ø22 Spring Return with White Cap	R 74.20
ZB4BA2	Pushbutton Head Ø22 Spring Return with Black Cap	R 74.20
ZB4BA3	Pushbutton Head Ø22 Spring Return with Green Cap	R 74.20
ZB4BA4	Pushbutton Head Ø22 Spring Return with Red Cap	R 74.20
ZB4BA5	Pushbutton Head Ø22 Spring Return with Yellow Cap	R 74.20
ZB4BA6	Pushbutton Head Ø22 Spring Return with Blue Cap	R 74.20
ZB4BA8	Pushbutton Head Ø22 Spring Return with Grey Cap	R 74.20



ZB4BA2



ZB4BA3



ZB4BA4



ZB4BA5



ZB4BA6



ZB4BA8

MUSHROOM HEADS FOR E-STOP PUSHBUTTONS



ZB4-BS844



ZB4-BT2

ORDER CODE	DESCRIPTION	PRICE
ZB4BS844	Red Ø40 Emergency Stop Pushbutton Head Ø22, Trigger and Latching Turn Release	R 328.18
ZB4BS944	Red Ø40 Emergency Stop Pushbutton Head Ø22, Trigger and Latching Key Release	R 511.98
ZB4BT2	Black Ø40 Mushroom Pushbutton Head Ø22, Latching Push-Pull	R 277.72
ZB4BT4	Red Ø40 Mushroom Pushbutton Head Ø22, Latching Push-Pull	R 268.54
ZB4BX4	Red Ø60 Mushroom Pushbutton Head Ø22, Latching Push-Pull	R 329.66
ZB4BS44	Red Ø30 Emergency Stop Pushbutton Head Ø22, Latching Turn Release	R 328.09
ZB4BS54	Red Ø40 Emergency Stop Pushbutton Head Ø22, Latching Turn Release	R 268.54
ZB4BS64	Red Ø60 Emergency Stop Pushbutton Head Ø22, Latching Turn Release	R 349.44
ZB4BS14	Red Ø40 Emergency Stop Pushbutton Head Ø22, Latching Key Release	R 431.46
ZB4BS24	Red Ø60 Emergency Stop Pushbutton Head Ø22, Latching Key Release	R 593.26

POWER SUPPLIES



ORDER CODE	INPUT VOLT-AGE (Vac)	OUTPUT WATT-AGE (W)	OUTPUT VOLT-AGE (VDC)	OUTPUT CUR-RENT	MIN EFFICIEN-CY (%)	DIMEN-SIONS (HxWxD) in mm	HOUSING MATERIAL	WEIGHT (Grams)	PRICE
*PSS60/24/2.5	85/264	60	24	2.5	86	90 X 40.5 X 114	PLASTIC	340	R 550.00
*PSS 120/24/5	115/230	120	24	5	84	124 X 64	METAL	920	R 698.00
*PSS 240/24/10	115/230	240	24	10	87	124 X 84 X 124	METAL	1000	R 1,144.00
*PSB4/60/24/2.5	90 to 264	60	24	2.5	84	57 X 71 X 91	PLASTIC	250	R 556.00

NOTE: * PREFERRED STOCK ITEM



PANELS - ENCLOSURES

SABS
ISO 9001

IP55 FLOOR STANDING ENCLOSURES & CONTROL DESKS



Dust Protected,
no ingress of dust.



Protected against
jets of water.

RELAIBLE
ECONOMICAL
ROBUST



**CONTINUOUS
POLYURETHANE
GASKET**

IP65 WALL / POLE MOUNTED ENCLOSURES



FLOOR STANDING - IP55

PART NUMBER	DESCRIPTION (HxWxD)	PRICE
01-022-664-4-O	UPRIGHT ENCLOSURE 1575x600x400	R 6,000.00
01-022-684-4-O	UPRIGHT ENCLOSURE 1575x800x400	R 7,313.00
01-022-764-4-O	UPRIGHT ENCLOSURE 1838x600x400	R 6,812.00
01-022-786-4-O	UPRIGHT ENCLOSURE 1838x800x600	R 9,000.00
01-022-864-4-O	UPRIGHT ENCLOSURE 2100x600x400	R 7,525.00
01-022-886-4-O	UPRIGHT ENCLOSURE 2100x800x600	R 10,063.00

NOTE:

O - Orange colour. Should you want Grey, use G instead

CONTROL DESK - IP55

PART NUMBER	DESCRIPTION (HxWxD)	PRICE
01-024-CD-6-O	CONTROL DESK 1000x600x480	R 4,937.50
01-024-CD-9-O	CONTROL DESK 1000x900x480	R 5,812.50
01-024-CD-12-O	CONTROL DESK 1000x1200x480	R 6,875.00

WALL / POLE MOUNTED—IP65

PART NUMBER	DESCRIPTION (HxWxD)	PRICE
01-65-35-25-17-O	ENCLOSURE IP65 - 350x250x170	R 866.25
01-65-45-30-22-O	ENCLOSURE IP65 - 450x300x220	R 1,212.50
01-65-55-40-22-O	ENCLOSURE IP65 - 550x400x220	R 1,462.50
01-65-65-45-27-O	ENCLOSURE IP65 - 650x450x270	R 1,712.50
01-65-75-55-27-O	ENCLOSURE IP65 - 750x550x270	R 1,962.50
01-65-95-70-27-O	ENCLOSURE IP65 - 950x700x270	R 2,880.00
01-65-115-85-27-O	ENCLOSURE IP65 - 1150x850x270	R 4,256.25
01-65-115-85-35-O	ENCLOSURE IP65 - 1150x850x370	R 4,406.25

STEGO LED PANEL LAMP

ORDER CODE: 02540.1-00
(with rubberized magnet) to quickly
position in any steel enclosure. 24V DC

PRICE: R 1,758.00



Dimensions: Magnet mount - (351 x 34 x 32 mm)

244360 - Connection Cable DC complete with 2m cable **R 174.00**

NOTES:

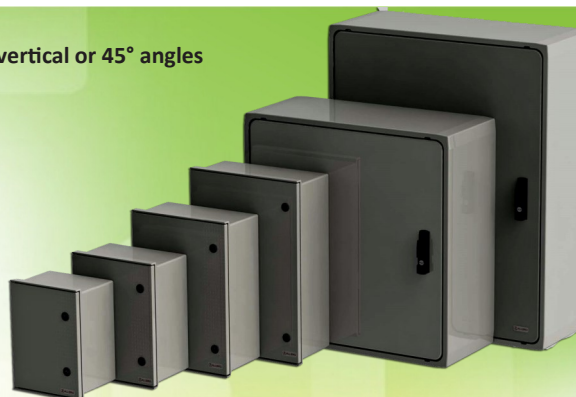
- Various colours to choose from, Custom sizes available.
- Enclosure Material - Mild Steel
- All sizes are external sizes including door.
- Internal sizes take Height less 50mm, Width less 50mm, Depth (to chassis plate) less 50mm
- Mounting Accessories: Pole mount (available on request)





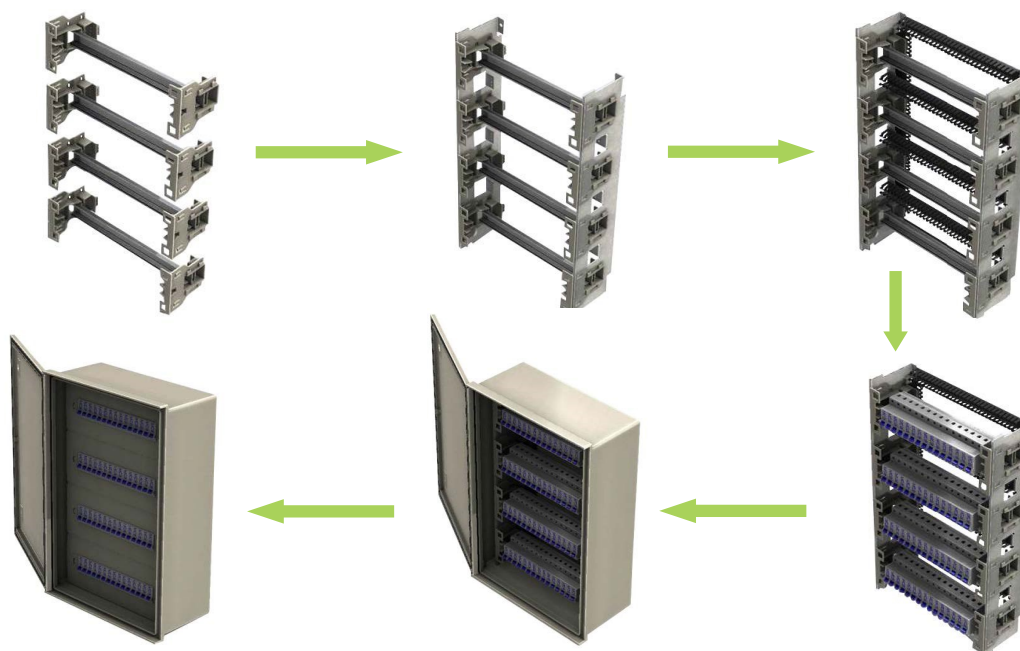
SMC SERVICE PLATES

- External adjustable mounting bracket , horizontal, vertical or 45° angles
- Internal Stainless Steel hinges
- Mounting brackets are Stainless Steel
- DIN rail mount with M6 bolt and nut
- The height of the DIN rail is easily adjustable
- Removable door
- Steel device plate available on request.
- Material - SMC
- IP 66



Part Number	Description	W	H	D	Price
ALL-003	Allbrox 3 with SMC Device plate	250	350	200	R 688.00
ALL-004	Allbrox 4 with SMC Device plate	300	400	200	R 798.00
ALL-005	Allbrox 5 with SMC Device plate	350	500	200	R 980.00
ALL-006	Allbrox 6 with SMC Device plate	400	600	200	R 1,325.00
ALL-007	Allbrox 7 with SMC Device plate	750	750	320	R 3,482.00
ALL-008	Allbrox 8 with SMC Device plate	800	1000	320	R 5,428.00

Allbrox Distribution Board Kit



Part Number	Description	Price
ALL-04/DB-KIT	Allbrox 4 Distribution Board Kit	POR
ALL-05/DB-KIT	Allbrox 5 Distribution Board Kit	POR
ALL-06/DB-KIT	Allbrox 6 Distribution Board Kit	R 380.00



PLC and SERVER CABINETS



Wall Mount Cabinets

	ORDER CODE	SIZE (HxWxD) mm	PRICE
Wall Cabinet 4u Swing Frame	4U500S	178 x 600 x 500	R 1,650.00
Wall Cabinet 6u Swing Frame	6U500S	267 x 600 x 500	R 1,900.00
Wall Cabinet 9u Swing Frame	9UX400S	400 x 600 x 400	R 1,700.00
Wall Cabinet 9u Swing Frame	9UX500S	400 x 600 x 500	R 2,100.00
Wall Cabinet 12u Swing Frame	12UX500S	533 x 600 x 500	R 2,300.00
Cabinet Single Fan	MISC500	-	R 250.00

Server Cabinets

Includes 4 fans & castors

	ORDER CODE	SIZE (HxWxD) mm	PRICE
22u Network Server Cabinet	JS6822	978 x 600 x 800	R 5,868.00
22u Network Server Cabinet	JS6022	978 x 600 x 1000	R 7,368.00
27u Network Server Cabinet	JS6827	1200 x 600 x 800	R 6,243.00
27 Network Server Cabinet	JS6027	1200 x 600 x 1000	R 9,200.00
42u Network Server Cabinet	JS6842	1867 x 600 x 800	R 9,875.00
42u Network Server Cabinet	JS6042	1867 x 600 x 1000	R 10,800.00

Accessories

DESCRIPTION	ORDER CODE	PRICE
6-Way Server Power duct with circuit breaker	JS-110	R 498.00
10-Way Server Power duct with circuit breaker	JS-114	R 708.00
Front Mount Shelf 19" 330mm	JS-108	R 200.00
Front Mount Shelf 19" 450mm	JS-109	R 278.00
Full Depth Shelf 550mm	AS-100	R 300.00
Full Depth Shelf 730mm	AS-105	R 357.00
Cabinet Cage Nuts & Washers	MISC-600	R 4.90each
Cabinet Brush Panel	MISC-200	R 79.00
Rack mount Keyboard Drawer	AS-110	R 838.00

Shatterproof glass door with viewing window, Rail depth can be adjusted to suit equipment, Lift off hinges on swing frame, Surface finish decreasing, phosphoric, power coated



MINIATURE CIRCUIT BRAKER



Current Rating	kA Rating	Single Pole		Double Pole		Triple Pole		Four Pole	
		CODE	PRICE	CODE	PRICE	CODE	PRICE	CODE	PRICE
1 Amp	6 kA	KC6-T-101	R 53.00	KC6-T-201	R 134.00	KC6-T-301	R 218.00	KC6-T-401	R 286.00
2 Amp	6 kA	KC6-T-102	R 53.00	KC6-T-202	R 134.00	KC6-T-302	R 218.00	KC6-T-402	R 286.00
3 Amp	6 kA	KC6-T-103	R 53.00	KC6-T-203	R 134.00	KC6-T-303	R 218.00	KC6-T-403	R 286.00
4 Amp	6 kA	KC6-T-104	R 53.00	KC6-T-204	R 134.00	KC6-T-304	R 218.00	KC6-T-404	R 286.00
6 Amp	6 kA	KC6-T-106	R 53.00	KC6-T-206	R 134.00	KC6-T-306	R 218.00	KC6-T-406	R 286.00
10 Amp	6 kA	KC6-T-110	R 53.00	KC6-T-210	R 134.00	KC6-T-310	R 218.00	KC6-T-410	R 286.00
16 Amp	6 kA	KC6-T-116	R 53.00	KC6-T-216	R 134.00	KC6-T-316	R 218.00	KC6-T-416	R 286.00
20 Amp	6 kA	KC6-T-120	R 53.00	KC6-T-220	R 134.00	KC6-T-320	R 218.00	KC6-T-420	R 286.00
25 Amp	6 kA	KC6-T-125	R 53.00	KC6-T-225	R 134.00	KC6-T-325	R 218.00	KC6-T-425	R 286.00
32 Amp	6 kA	KC6-T-132	R 53.00	KC6-T-232	R 134.00	KC6-T-332	R 218.00	KC6-T-432	R 286.00
40 Amp	6 kA	KC6-T-140	R 53.00	KC6-T-240	R 134.00	KC6-T-340	R 218.00	KC6-T-440	R 286.00
50 Amp	6 kA	KC6-T-150	R 53.00	KC6-T-250	R 134.00	KC6-T-350	R 218.00	KC6-T-450	R 286.00
63 Amp	6 kA	KC6-T-163	R 53.00	KC6-T-263	R 134.00	KC6-T-363	R 218.00	KC6-T-463	R 286.00

3 and (4) Pole Moulded Case Circuit Breakers



3 and (4) Pole Moulded Case Circuit Breakers - Fixed Terminal Magnetic						
ORDER CODE	CURRENT	DIMENSIONS	kA Rating	RATED	PRICE	
	Rating	H X W X D		Op Voltage	3 Pole	4 Pole
KCM1-100S-32(-4)	32 Amp	150x90(120)x68	25 kA	690V	R 920.00	R 1,200.00
KCM1-100S-40(-4)	40 Amp	150x90(120)x68	25 kA	690V	R 920.00	R 1,200.00
KCM1-100S-50(-4)	50 Amp	150x90(120)x68	25 kA	690V	R 920.00	R 1,200.00
KCM1-100S-63(-4)	63 Amp	150x90(120)x68	25 kA	690V	R 920.00	R 1,200.00
KCM1-100S-80(-4)	80 Amp	150x90(120)x68	25 kA	690V	R 920.00	R 1,200.00
KCM1-100S-100(-4)	100 Amp	150x90(120)x68	25 kA	690V	R 920.00	R 1,200.00
KCM1-225S-125(-4)	125 Amp	165x105(140)x85	25 kA	690V	R 1,200.00	R 1,570.00
KCM1-225S-160(-4)	160 Amp	165x105(140)x85	25 kA	690V	R 1,200.00	R 1,570.00
KCM1-225S-200(-4)	200 Amp	165x105(140)x85	25 kA	690V	R 1,200.00	R 1,570.00
KCM1-225S-225(-4)	225 Amp	165x105(140)x85	25 kA	690V	R 1,200.00	R 1,570.00

Neutral Earth Leakage

NEUTRAL EARTH LEAKAGE						
PICTURE	OVERLOAD RATING (A)	SENSITIVITY	2 POLE ORDER CODE	PRICE	4 POLE ORDER CODE	PRICE
	12 A	30mA	KRC3-225	R 275.00	KRC3-425	R 550.00
	40 A	30mA	KRC3-240	R 290.00	KRC3-440	R 560.00
	63 A	30mA	KRC3-263	R 300.00	KRC3-463	R 595.00
	80 A	30mA	KRC3-280	R 400.00	KRC3-480	R 610.00



3/4 POLE CIRCUIT BREAKER



ORDER CODE	CURRENT	DIMENSIONS	kA Rating	RATED	PRICE	
	Rating	H X W X D		Op Voltage	3 Pole	4 Pole
KCM1-225S-250(-4)	250 Amp	165x105(140)x85	25 kA	690V	R 1,200.00	R 1,570.00
KCM1-400S-315(-4)	315 Amp	255x140(200)x105	35 kA	690V	R 3,200.00	R 4,200.00
KCM1-400S-350(-4)	350 Amp	255x140(200)x105	35 kA	690V	R 3,200.00	R 4,200.00
KCM1-400S-400(-4)	400 Amp	255x140(200)x105	35 kA	690V	R 3,200.00	R 4,200.00
KCM1-630S-500(-4)	500 Amp	270x180(240)x110	45 kA	690V	R 5,750.00	R 7,150.00
KCM1-630S-630(-4)	630 Amp	270x180(240)x110	45 kA	690V	R 5,750.00	R 7,150.00
KCM1-800S-800(-4)	800 Amp	278x210(270)x110	65 kA	690V	R 8,050.00	R 10,500.00
KCM1-1250S-1250(-4)	1250 Amp	405x210(270)x140	85 kA	690V	R 14,700.00	R 19,200.00

ACCESSORIES



ORDER CODE	DESCRIPTION		PRICE
SHUNT TRIP			
KCM1-ST-100	230V/400V/550V	FOR KCM1 - 100	R 350.00
KCM1-ST-225	230V/400V/550V	FOR KCM1 - 225	R 430.00
KCM1-ST-400	230V/400V/550V	FOR KCM1 - 400	R 760.00
KCM1-ST-630	230V/400V/550V	FOR KCM1 - 630	R 830.00
KCM1-ST-800	230V/400V/550V	FOR KCM1 - 800	R 1,075.00
KCM1-ST-1250	230V/400V/550V	FOR KCM1 - 1250	R 1,300.00
AUXILIARY CONTACTS			
KCM1-AC-100	1 N/O & N/C AUXILIARY CONTACT	FOR KCM1 - 100	R 250.00
KCM1-AC-225	1 N/O & N/C AUXILIARY CONTACT	FOR KCM1 – 225	R 265.00
KCM1-AC-400	1 N/O & N/C AUXILIARY CONTACT	FOR KCM1 - 400	R 425.00
KCM1-AC-630	1 N/O & N/C AUXILIARY CONTACT	FOR KCM1 - 630	R 500.00
KCM1-AC-800	1 N/O & N/C AUXILIARY CONTACT	FOR KCM1 - 800	R 530.00
KCM1-AC-1250	1 N/O & N/C AUXILIARY CONTACT	FOR KCM1 -1250	R 735.00
UNDER VOLTAGE TRIPS			
KCM1-UVT-100	UNDER VOLTAGE TRIPS – 400V	FOR KCM1 – 100	R 700.00
KCM1-UVT-225	UNDER VOLTAGE TRIPS – 400V	FOR KCM1 – 225	R 870.00
KCM1-UVT-400	UNDER VOLTAGE TRIPS – 400V	FOR KCM1 – 400	R 1,075.00
KCM1-UVT-630	UNDER VOLTAGE TRIPS – 400V	FOR KCM1 – 630	R 1,130.00
KCM1-UVT-800	UNDER VOLTAGE TRIPS – 400V	FOR KCM1 – 800	R 1,445.00
KCM1-UVT-1250	UNDER VOLTAGE TRIPS – 400V	FOR KCM1 – 1250	R 2,140.00
VARI-DEPTH HANDLES			
KCM1-VDH-100	VARI-DEPTH HANDLE WITH SHAFT	FOR KCM1 – 100	R 523.00
KCM1-VDH-225	VARI-DEPTH HANDLE WITH SHAFT	FOR KCM1 – 225	R 600.00
KCM1-VDH-400	VARI-DEPTH HANDLE WITH SHAFT	FOR KCM1 – 400	R 740.00
KCM1-VDH-630	VARI-DEPTH HANDLE WITH SHAFT	FOR KCM1 – 630	R 815.00
KCM1-VDH-800	VARI-DEPTH HANDLE WITH SHAFT	FOR KCM1 – 800	R 1,200.00



FIBRE - SPLICING MACHINE

Fujikura **FSM-70S**

ORDER CODE: FSM-70S PRICE: **R 99,900.00**



FULL SPECIFICATION SHEET AVAILABLE



Applicable fibre types	Single / SMF (G.652/657), MMF (G.651), DSF (G.653), NZDSF (G.655)
Fibre Count	Single
Splice/Heating mode	Total 100 splice modes / 30 heating modes 0.02dB (SM), 0.01dB (MM), 0.04dB (DSF) and 0.04dB (NZDS) Measured by cut-back method relevant to ITU-T and IEC standards.
Typical splice loss	
Splicing Time	Typical 7sec with SM
Heating Time	Typical 14sec with FP-03 (60mm) sleeve
Dimensions	146W x 159D x 150H (mm) / 2.7kg (including battery)
Electrode Life	3000 splices

Standard Package includes:

- Fusion Splicer
- AC power cord
- Cooling tray
- Spare electrode
- Software
- Fibre cleaver
- Internal battery
- Carry case
- Charger



TP-550G

ORDER CODE: TP-550G PRICE: **R 49,500.00**

Main Specifications

- 9 Sec. Splice time & 30 Sec. Tube-heat time
- Simultaneous X and Y views
- Store 8000 groups of splice results
- Average splice loss: 0-0.02dB (SM), 0-0.01dB (MM)
- Interface: RS232 interface & video output
- The cleaver can be used 30000 times & electrode 8000 times



FIBRE - TESTERS & ACCESSORIES

PICTURE	ORDER CODE	DESCRIPTION	PRICE
OTDR TESTER			
	OTDR TP-700	SM Optical Time Domain Reflectometer , Wavelength: 1310nm/1550nm Dynamic Range: 26dB-28dB, Maximum test distance - 80Km	R 44,500.00
	TR600	Single & Multi-mode Optical Time Domain Reflectometer , Weight - 1.5kg, Dimensions: 150(h)x235(w)x66(d)mm SM & MM parameters - MM : 10/20m, 20ns-128ns, 30km SM : 3/15m, 5ns-20us, 180km	R 75,600.00
OPTICAL POWER METER			
	TP-502A	Handheld Optical Power Meter High sensitivity, wider dynamic range universal connector interface FC/SC/ST Quick response, without warm-up and reduce testing time. Measurement RanTP: -70~+10dBm	R 2,550.00
OPTICAL LIGHT SOURCE			
	TP-202F	Optical Light Source, 3pcs 1.5V Batteries, AC Adapter, User Manual, Cotton Swabs and Soft Carrying Case Four wavelength: 1310/1550/850/1300 SM+MM	R 6,550.00
VISUAL FAULT LOCATOR			
	TP-261	Visual Fault Locator is a visible red laser source for finding breaks and tight bends in optical Fibres. Wavelength (nm)- 650nm, Connector Type - FC/PC (Interchangeable SC, ST), Battery Life ≥40hrs Dimension (mm) - 185*25, Weight (g) 162g	R 1,450.00
	Fibre Cleaver	For Fusion Splicer TP-550	R 3,950.00

ACCESSORIES			
	PPSEST1024BLO	24 Port 19" sliding draw rack mount FOBOT (Fibre Optic Break Out Tray) - No accessories included To order extra: Adapters/Pigtails/Gland & Management Kit	R 250.00
	KT-PNRM-04	19" inch Fibre Termination box, protection sleeve, white tube, Suitable for LC/SC/FC connector - all accessories included except pigtail and adapters. Slide out design. Max capacity 48 fibre's	R 240.00
	2552SA	Splice Box Dimensions (H x W x D): 210 x 160 x 65mm Exchangeable faceplates for: ST simplex / FC-"D" mount SC duplex plate up to 12x fibres. The 2552SA is constructed from flame retardant material. The boxes have a unique sliding lid	R 220.00
	OP12DN Specify faceplate option on order	12 Way Stainless Steel Din Rail Mount Splice Box. Size: 140 x 140 x 55mm Modular Design. Separate faceplate options : 12x Duplex LC, 12x Simplex SC and 12x Simplex ST. Faceplate: 4x Cable entry knockouts on top, 2x behind & 1x at the bottom. Easy access clips to hold the pigtail slack	R 950.00
	Fibre Dome Joint KT-V8-2	Vertical Fusion Splice Tray, Pressure Hoop, Silicon Rubber Seal and hang hook. Cables 2 In and 2 Out. Dimensions: Length 440mm, Diameter - 140mm, Max Fibre: 72	R 435.00



FIBRE - ACCESSORIES

Splicing Tools & Consumables				
	34-155C	Kim Wipes, Low Lint	280 sheets per box	R 70.00
	ALCSPRAY	Alcohol Spray - for cleaning fibre cable before splicing	400ml	R 70.00
	CFS2 FIBRE STRIPPER	Fibre Stripping Tool	-	R 380.00
	Splice Protector	Splice protector sleeves are manufactured pre-shrunk in a heat-bonded assembly that consists of three components: An inner tube of EVA hot-melt adhesive. An outer of heat-shrinkable tubing. A reinforcing strength member	each	R 1.00

PICTURE	ORDER CODE	DESCRIPTION	PRICE
	DEADEND	Thimble Dead ends 9.2mm – 9.5mm Dead ends (Guy grips) are used for the purpose of attaching ADSS optical fibre cable to support poles or wall brackets. The wire dead ends reduce stress on the cable by lengthening the load surface at the connection point. When the direction of ADSS needs to be diverted, then it is possible to use two dead ends at opposite ends while keeping a looped section of cable between dead ends. Dead ends are manufactured from aluminium-clad steel to achieve high tensile strength and ensure weather resistance. The aluminium clad steel wires are coated with a pliable latex coating. This provides excellent grip to the ADSS cable sheath once the helical wire legs are wrapped closed. A galvanized thimble is included in the eye section to reduce wear on the dead end wires.	R 75.00
	TANGENT	Wire Tangent support 9.2mm – 9.5mm Manufactured from the same materials as the dead ends, these wire tangents are designed to support ADSS cable between anchor points (Dead end fittings).	R 60.00
	HOOK– SINGLE HOOK - DOUBLE	Galvanised Single suspension hooks Designed as intermediately coupling hardware for connecting various suspension hardware components. Single and double hook configurations are available. Manufactured from hot dipped galvanized steel Double suspension hooks	R 24.50 R 29.00
	PIGTAIL BOLT	Galvanised pigtail bolts - M12 x 340mm Designed as anchors to poles onto which the dead ends and tangent supports can be attached. Manufactured from hot dipped galvanized steel	R 27.00



FIBRE - CONNECTORS & PIGTAILS

CLASS	MODEL	PICTURE		ORDER CODE	PRICE
		Simplex (SX)	Duplex (DX)		
FIBRE OPTICAL ADAPTERS	ST			FIBR-ADAP-ST-SX S	R 11.00
				FIBR-ADAP-ST-DX S	R 20.00
				FIBR-ADAP-ST-SX M	R 9.00
				FIBR-ADAP-ST-DX M	R 16.00
	SC			FIBR-ADAP-SC-SX S	R 11.00
				FIBR-ADAP-SC-DX S	R 20.00
			FIBR-ADAP-SC-SX M	R 9.00	
			FIBR-ADAP-SC-DX M	R 16.00	
LC			FIBR-ADAP-LC-SX S	R 20.00	
			FIBR-ADAP-LC-DX S	R 25.00	
			FIBR-ADAP-LC-SX M	R 16.00	
			FIBR-ADAP-LC-DX M	R 25.00	
FIBRE OPTIC CONNECTORS	ST			FIBR-CON-ST	R 40.00
	SC			FIBR-CON-SC	R 40.00
	LC			FIBR-CON-LC	R 84.00

PIGTAILS					
CLASS	MODEL	DESCRIPTION	PICTURE	ORDER CODE	PRICE
UNJACKETED PIGTAILS	ST	ST Single Mode 9/125, 1m		FIBR-1UNJ-ST S	R 25.00
		ST Multi Mode 50/125, 1m		FIBR-1UNJ-ST M	R 25.00
	SC	SC Single Mode 9/125, 1m		FIBR-1UNJ-SC S	R 25.00
		SC Multi Mode 50/125, 1m		FIBR-1UNJ-SC M	R 25.00
	LC	LC Single Mode 9/125, 1m		FIBR-1UNJ-LC S	R 30.00
		LC Multi Mode 50/125, 1m		FIBR-1UNJ-LC M	R 30.00
	FC	FC Single Mode 9/125, 1m		FIBR-1UNJ-FC S	R 28.00
		FC Multi Mode 50/125, 1m		FIBR-1UNJ-FC M	R 28.00



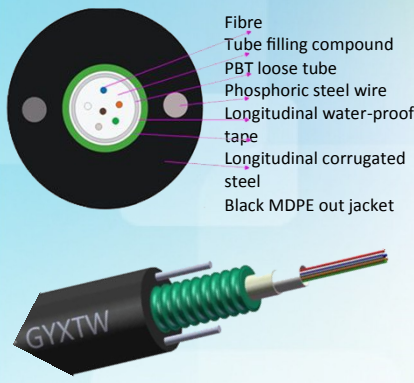
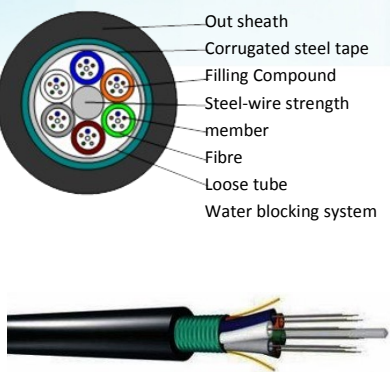
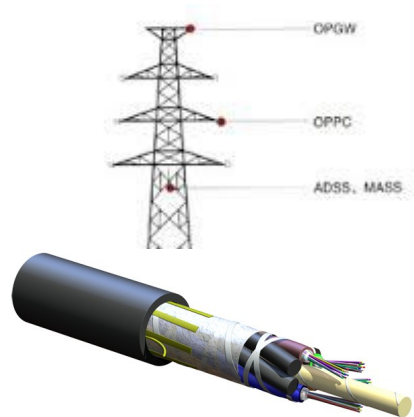
FIBRE - PATCH CORDS

CLASS	MODEL	DESCRIPTION	PICTURE	ORDER CODE (1m)	PRICE
PATCH CORDS	ST-ST	SIMPLEX ST-ST 9/125, Single Mode		FIBR-1MST-ST S SX	R 31.00
		SIMPLEX ST-ST 50/125, Multi Mode		FIBR-1MST-ST M SX	R 30.00
		DUPLEX ST-ST 9/125, Single Mode		FIBR-1MST-ST S DX	R 62.00
		DUPLEX ST-ST 50/125, Multi Mode		FIBR-1MST-ST M DX	R 59.00
	SC-SC	SIMPLEX SC-SC 9/125, Single Mode		FIBR-1MSC-SC S SX	R 31.00
		SIMPLEX SC-SC 50/125, Multi Mode		FIBR-1MSC-SC M SX	R 29.00
		DUPLEX SC-SC 9/125, Single Mode		FIBR-1MSC-SC S DX	R 62.00
		DUPLEX SC-SC 50/125, Multi Mode		FIBR-1MSC-SC M DX	R 59.00
	LC-LC	SIMPLEX LC-LC 9/125, Single Mode		FIBR-1MLC-LC S SX	R 44.00
		SIMPLEX LC-LC 50/125, Multi Mode		FIBR-1MLC-LC M SX	R 43.00
		DUPLEX LC-LC 9/125, Single Mode		FIBR-1MLC-LC S DX	R 89.00
		DUPLEX LC-LC 50/125, Multi Mode		FIBR-1MLC-LC M DX	R 84.00
	ST-SC	SIMPLEX ST-SC 9/125, Single Mode		FIBR-1MST-SC S SX	R 31.00
		SIMPLEX ST-SC 50/125, Multi Mode		FIBR-1MST-SC M SX	R 29.00
		DUPLEX ST-SC 9/125, Single Mode		FIBR-1MST-SC S DX	R 62.00
		DUPLEX ST-SC 50/125, Multi Mode		FIBR-1MST-SC M DX	R 58.00
	ST-LC	SIMPLEX ST-LC 9/125, Single Mode		FIBR-1MST-LC S SX	R 38.00
		SIMPLEX ST-LC 50/125, Multi Mode		FIBR-1MST-LC M SX	R 43.00
		DUPLEX ST-LC 9/125, Single Mode		FIBR-1MST-LC S DX	R 75.00
		DUPLEX ST-LC 50/125, Multi Mode		FIBR-1MST-LC M DX	R 72.00
	SC-LC	SIMPLEX SC-LC 9/125, Single Mode		FIBR-1MSC-LC S SX	R 38.00
		SIMPLEX SC-LC 50/125, Multi Mode		FIBR-1MSC-LC M SX	R 36.00
		DUPLEX SC-LC 9/125, Single Mode		FIBR-1MSC-LC S DX	R 75.00
		DUPLEX SC-LC 50/125, Multi Mode		FIBR-1MSC-LC M DX	R 72.00
	FC-FC	SIMPLEX FC-FC 9/125, Single Mode		FIBR-1MFC-FC S SX	R 38.00
		SIMPLEX FC-FC 50/125, Multi Mode		FIBR-1MFC-FC M SX	R 36.00
		DUPLEX FC-FC 9/125, Single Mode		FIBR-1MFC-FC S DX	R 89.00
		DUPLEX FC-FC 50/125, Multi Mode		FIBR-1MFC-FC M DX	R 84.00
	FC-SC	SIMPLEX FC-SC 9/125, Single Mode		FIBR-1MFC-SC S SX	R 38.00
		SIMPLEX FC-SC 50/125, Multi Mode		FIBR-1MFC-SC M SX	R 36.00
		DUPLEX FC-SC 9/125, Single Mode		FIBR-1MFC-SC S DX	R 75.00
		DUPLEX FC-SC 50/125, Multi Mode		FIBR-1MFC-SC M DX	R 72.00

NOTE: STANDARD LENGTH OF PATCH CORDS ARE 1meter. SHOULD YOU NEED CUSTOM LENGHTS – PLEASE CONTACT US
Ruggedized patch cords available on special request



FIBRE OPTIC CABLE

PICTURE	ORDER CODE	DESCRIPTION	FIBRE COUNT/CORE	INDICATIVE PRICE
HEAVY DUTY DUCT - OUTDOOR CABLE				
 Fibre Tube filling compound PBT loose tube Phosphoric steel wire Longitudinal water-proof tape Longitudinal corrugated steel Black MDPE out jacket	GYXTW S Single Mode	Fibre optic GYXTW cable is mainly used in long distance and Local Area Network (LAN) communication. This cable is suitable for duct and aerial applications. This cable has two parallel round steel wires for tension-resistance and crush resistance.	4 fibre 8 fibre 12 fibre 24 fibre 36 fibre 48 fibre 72 fibre	R 7.95 R 8.59 R 9.53 R 11.40 R 14.85 R 17.40 R 22.78
	GYXTW M Multi Mode	Black UV resistant polyethylene outer sheath (1.5mm RT) Ripcord for easy sheath stripping Glass re-enforced plastic centre strength member (GRP) Dry water blocked core Optical fibres ND PBT loose tube (Gel filled)	4 fibre 8 fibre 12 fibre 24 fibre 36 fibre 48 fibre 72 fibre	R 9.82 R 11.66 R 14.00 R 20.06 R 26.30 R 32.50 R 44.90
 Out sheath Corrugated steel tape Filling Compound Steel-wire strength member Fibre Loose tube Water blocking system	GYTS S Single Mode	These corrugated steel tape armoured cables are suitable for installation in aerial or duct environment for long haul communication. Suitable for installation in cable trenching. Polyethylene sheath 1.5mm RT Corrugated Steel Tape Armouring	4 fibre 8 fibre 12 fibre 24 fibre 36 fibre 48 fibre 72 fibre	R 13.90 R 14.50 R 15.47 R 18.39 R 20.80 R 23.44 R 28.74
	GYTS M Multi Mode	Polyethylene Colour coded optical fibres PBT loose tube (Gel filled) Aramid yarn for tensile strength PVC bedding sheath	4 fibre 8 fibre 12 fibre 24 fibre 36 fibre 48 fibre 72 fibre	R 15.01 R 16.93 R 19.07 R 25.29 R 31.52 R 37.73 R 50.18
AERIAL ADSS - SHORT SPAN (100m)				
 OPGW OPPC ADSS, MASS	SINGLE MODE ADSS 4 S ADSS 8 S ADSS 12 S ADSS 24 S ADSS 36 S ADSS 48 S	UV resistant polyethylene outer sheath Aramid yarn for tensile strength (Optimised for span length) PBT loose tube (Gel filled) Colour coded optical fibres	4 fibre 8 fibre 12 fibre 24 fibre 36 fibre 48 fibre	R 9.26 R 10.00 R 10.92 R 12.85 R 18.02 R 21.26
	MULTI MODE ADSS 4 M ADSS 8 M ADSS 12 M ADSS 24 M ADSS 36 M ADSS 48 M	Glass re-enforced plastic centre strength member (GRP)	4 fibre 8 fibre 12 fibre 24 fibre 36 fibre 48 fibre	R 10.56 R 12.64 R 14.73 R 20.98 R 30.31 R 36.33



WE SUPPLY INDOOR & OUTDOOR FIBRE CABLE - PHONE US NOW FOR A FREE QUOTE

NOTE: ORDERING CABLE EXAMPLE - ORDER CODE (FIBRE COUNT) C - GYXTW S 12C OR ADSS 4 M 4C



COPPER - NETWORK CABLE

PICTURE	PRODUCT	DESCRIPTION	ORDER CODE	PRICE
	Profinet Industrial Ethernet Cat 5e solid, 2 x 2, PVC ES	Profinet (easy to strip) ES cable for permanent installation 2x2x22A UL listed: CMG & PLTC WG 1 Jacket: Polyvinylchloride (PVC) green 6.5 +/- 0.2mm	L45467-J16-B35	R 23.70/meter
	Profinet Industrial Ethernet Cat 6, 4 x 2 solid, PVC GN	4 x 2 x 24AWG/1 Solid - easy strip , Flame retardant Sunlight resistant , Green PVC jacket	L45467-J15-B15	R 38.10/meter
	Profibus DP, Solid, Violet Easy strip	ES cable for flexible installation (Similar to 1x2x23AWG 19 strip) UL Listed: CMG & CL3 Jacket: Polyvinylchloride (PVC) violet 8.0+/- 0.4mm, Solid Cable	6XV1-830-0EH10	R 12.90/meter
	Profibus PA ES	1 x 2 x 1.3mm ² Multi-strand - easy strip , Flexible installation Flame retardant , Blue PVC jacket	L45467-J21-C35	R 19.20/meter
	Profibus DP, Solid Steel wired Armored	Jacket: Polyvinylchloride (PVC) purple stripes Armour GSWA, galvanised steel wire armour wire (0.9mm) Solid Cable	PB SW CABLE/M	R 39.00/meter
	Device Net Thick	1 x 2 x 1.3mm ² - Thick cable for fixed installation Flame retardant , Sunlight resistant, Oil resistant Grey PVC jacket	1485C-P1-A	R 52.50/meter
	Device Net Thin	Thin cable for fixed installation Flame retardant , Sunlight resistant, Oil resistant Yellow PVC jacket	1485C-P1-C50	R 32.80/ meter
	AS-Interface	1 x 2 x 1.5mm ² - Chemical & automotive industry Flame retardant, Oil and cut oil resistant, Yellow TPE jacket	L45587-M21-Y139	R 23.10/ meter



COPPER - NETWORK CABLE

PICTURE	PRODUCT	DESCRIPTION	ORDER CODE	LENGTH	PRICE
	Ethernet Cat 5e UTP 4-pair cable	UTP Unshielded twisted 4 pairs category 5 cable (solid) GZ-400. Solid conductor AWG 24/1 for stationary applications. There will be no movement after installation.	UTP4/C5E	Per meter	R 5.20/meter
	Ethernet Cat 5e STP 4-pair cable	Most common transmission medium for LAN's It is comprised of copper wires individually surrounded by a PVC insulation layer and twisted around each in a OM cable 1mm sq.	STP4/C5E	Per meter	R 13.40/meter
	Cat 6A UTP 4-pair cable	CAT6A UTP, Solid Polyolefin insulated fibre + Spline PVC Grey Sheath Application: Installation Cable	UTP4/C6A	Per meter	R 6.97/meter
	Control Net RG6 <i>Shield</i> High Flex Cable	18 AWG;75 Ohm Copper Clad steel conductor foam Polyethylene insulation Dual Shielded to prevent EMI/RFI Interference 120% Aluminium Polyester Foil Shield 60% Tinned Copper Braid	1786-RG6	305 meter drum	R 5,700.00
	Control Net RG6 <i>Quad Shield</i> High Flex Coax Cable	These particular cables are quad-shielded to provide extra protection against undesirable and signal Damaging electromagnetic interference	1786-RG6F	305 mar drum	R 6,300.00
	Modbus Plus Cable	Modbus Plus Cable	BLDN9841	100m	R 14,790.00
	Network Cable	CAT5 cable with RJ45 & boot connector on each side	CAT51M CAT52M CAT55M CAT510M	1m 2m 5m 10m	R 20.00 R 33.00 R 40.00 R 60.00
COPPER - NETWORK CONNECTORS					
	Connector MALE	Available for Cable CAT5 E STP, 5E UTP	RJ45	EACH	R 4.00
	RJ45 Socket FEMALE	Network Socket for wall mount Available for Cable CAT5 E STP, 5E UTP	RJ45 Socket	EACH	R 44.00
	Boot	Available for Cable CAT5 E STP, 5E UTP	RJ 45 BOOT	EACH	R 5.50
	RJ45	INDUSTRIAL CONNECTOR - IE-PS-RJ45-FH-BK	1963600000	EACH	R 320.00



PROFIBUS CONNECTORS

PICTURE	ORDER CODE	DESCRIPTION	AGE PRICE (ZAR)	SIEMENS PRICE (ZAR)
	*6ES7972-0BA12-0XA0	Profibus Connector, without PG port, 90 degree	R 185.00	R 726.00
	*6ES7972-0BB12-0XA0	Profibus Connector, with PG port, 90 degree	R 210.00	R 948.00
	*6ES7972-0BA41-0XA0	Profibus Connector without PG Port, 35 degree	R 185.00	-
	*6ES7972-0BB41-0XA0	Profibus Connector with PG Port, 35 degree	R 325.00	-
	*6ES7972-0BB52-0XA0	Profibus DP Connector 90 degrees Fast connect	R 325.00	R 948.00
	*6ES7972-0BA52-0XA0	Simatic DP, Bus Connector for Profibus up to 12 MBI	R 325.00	R 726.00
	*6ES7972-0BB50-0XA0	Profibus DP Connector 90 Degrees Fast Connect with Programming Inter	R 248.00	-
	*6ES7392-1AJ00-0AA0	S7-300 front connector (20 pin)	R 145.00	R 419.00
	*6ES7392-1AM00-0AA0	S7-300 front connector (40 pin)	R 255.00	R 663.00

NOTE: * PREFERRED STOCK ITEM



NETWORK SWITCHES



PICTURE	ORDER CODE	DESCRIPTION	PRICE
Media Converters (all powered with 24VDC)			
	EX42011-1A-1-A	1-port 10/100BASE-TX and 1-port 100BASE-FX 12 to 48VDC Power inputs	R 1,626.43
	EX42011-2A-1-A	1 x Fast Ethernet 10/100 BASE-TX port with RJ45 socket. 1 x Fast Ethernet 100 BASE-FX Single Mode	R 2,024.00
DIN Rail Mount Unmanaged Switches (all powered with 24VDC)			
	EX42005-00-1-AA	Etherwan 5 Port 10/100	R 1,138.50
	EX42014-1A-1-AA	Etherwan 4 Port 10/100 & 1 Port 100FX MM SC Connection	R 1,228.86
	EX42014-2A-1-AA	Etherwan 4 Port 10/100 & 1 Port 100FX SM SC Connection 20Km	R 2,024.00
	EX43008-00-1-A	Etherwan 8 Port 10/100	R 1,752.93
	EX33160-00B	Etherwan 16 Port 10/100	R 3,252.86
	EX33142-10B	Etherwan 14 Port 10/100 & 2 Port 100FX MM SC Connection	R 4,698.57
DIN Rail Mount Managed Switches (all powered with 24VDC)			
	EX61620A-10B	Etherwan 6 port 10/100 & 2 port 100FX MM SC, for Fibre Ring topology	R 7,463.50
	EX61620A-A0B	Etherwan 6 port 10/100 & 2 port 100FX MM SC, for Fibre Ring topology 20Km	R 9,361.00
	EX61800-00B	Etherwan 8 Port 10/100	R 5,873.21



PICTURE	ORDER CODE	DESCRIPTION	PRICE
19" Rack mount Switches (powered by 90 - 260VAC)			
	EX77604-001C	Etherwan 24-port 10/100BASE-TX + 4-port 10/100/1000BASE-TX	R 16,119.71
	EX77604-00VC	Etherwan 24-port 10/100BASE-TX + 4-port 1000BASE SFP Combo	R 20,999.00
	EX77424-10VC	Etherwan 16-port 10/100BASE-TX + 8-port 100BASE-FX MM SC 2KM + 4-port 1000BASE SFP Combo	R 27,378.21
	EX77424-A0VC	Etherwan 16-port 10/100BASE-TX + 8-port 100BASE-FX SM SC 20KM + 4-port 1000BASE SFP Combo	R 32,112.93
SFP Modules			
	EX-0155NSP-MB2L-A	Etherwan MM SFP (2Km)	R 722.86
	EX-0155TSP-MB5L-A	Etherwan SM SFP (15Km)	R 903.57
Ethernet Extenders			
	ED3101	VDSL over RJ11	R 2,349.29
	ED3331	VDSL over BNC Coax	R 2,349.29



ETHERNET RADIO'S / ACCESSORIES

ORDER CODE	PICTURE	DESCRIPTION	PRICE
OWL530 Dual-band 802.11n Outdoor Access point 2x2 MIMO radio	POWERFUL, DURABLE, AFFORDABLE	Selectable dual-band 2.4/5 GHz. 802.11n 2x2 MIMO supporting up to 300 Mbps. Pole mountable IP68 weatherproof metal housing. 802.3af Power over Ethernet (PoE) compatible Standalone or centrally managed by 4ipnet WHG Controller Integrated enterprise-grade, standards-based security. Up to 8 ESSIDs with 802.1Q VLAN. Captive portal and Guest provisioning. Rogue AP detection & Load balancing. Fast Layer 2 Layer 3 roaming.	R 7,500.00
OWL620 Dual-band 802.11n out- door access point		Concurrent dual-band 2.4/5GHz. 802.11n 2x2 MIMO supporting up to 300 Mbps per radio. Pole mountable IP68 weatherproof metal housing. 802.3af PoE compatible. Standalone or centrally managed by WHG Controller. Integrated enterprise-grade standard-based security. Up to 8 ESSIDs per radio with 802.1Q VLAN. Captive portal and Guest provisioning. Rogue AP detection & load balancing. Fast layer 2 / Layer 3 roaming.	R 8,000.00

ACCESSORIES: ANTENNAS AND CABLE

OMNI Outdoor Antenna



BAND	GAIN	CONNECTION TYPE	ORDER CODE	PRICE
5.1—5.9 GHz	8 dBi	Female	ANT-OD515908	R 660.00
5.1—5.9 GHz	15 dBi	Female	ANT-OD515915	R 1,100.00

PANEL Outdoor Antenna



BAND	GAIN	CONNECTION TYPE	ORDER CODE	PRICE
5.1—5.9 GHz	23 dBi	Female	ANT-OD515923	R 1,500.00

Cable

PRODUCT	METER	ORDER CODE	PRICE
1M Low-Loss Cable for Antenna	1m	LC-CFD400L1	R 300.00
2M Low-Loss Cable for Antenna	2m	LC-CFD400L2	R 360.00



The Most Powerful NanoStation Ever.



ORDER CODE	DESCRIPTION	PRICE
Standard 2.4GHz Radios		
UB-NS2	Ubiquiti NanoStation 2.4GHz b/g Outdoor CPE 26dBm Gain 10dBi & External Connector SMA(F)RP, incl PoE	R 1,236.00
UB-PS2	Ubiquiti PowerStation 2.XGHz b/g Outdoor CPE TX 26dBm Gain 17dBi 2 LAN Ports, incl PoE	R 1,592.00
Standard 5GHz Radios		
UB-NS5	Ubiquiti NanoStation 5.XGHz a Outdoor CPE 24dBm Gain 14dBi & External Connector SMA(F)RP, incl PoE	R 1,373.00
UB-PS5	Ubiquiti PowerStation 5.XGHz a Outdoor CPE TX 26dBm Gain 22dBi, incl PoE	R 1,938.00



MOUNTING ACCESSORIES



PRODUCT	DESCRIPTION	ORDER CODE	PRICE
Single Offset Bracket	Single Offset Bracket 300mm	WM30	R 1,320.00
Aluminium Tubular Pole	3m, Ø50mm, 5mm wt.	MSTALP5053	R 990.00
	5m, Ø50mm, 5mm wt.	MSTALP5055	R 1,702.00
	6m, Ø50mm, 5mm wt.	MSTALP5056	R 2,036.00
Telescopic Mast Kit	13 Meter Telescopic Mast Kit includes:	Guy Kit: CLTRGYKIT50 Mast: RHTRH50	R 8,700.00

LIGHTNING & SURGE PROTECTION

COPPER EARTHING STRAP



ORDER CODE	DESCRIPTION	LENGTH	PRICE
CUS-10	12x0.4MM PERFORATED COPPER EARTH STRAP 0.7mm O holes	10m roll	R 160.00

EARTH RODS



ORDER CODE	DESCRIPTION	MATERIAL	PRICE
ER1216	1.2M X M16 EARTH ROD. 250 MICRONS COPPER	Copper Plated Steel	R 115.00

ACCESSORIES



ORDER CODE	DESCRIPTION	MATERIAL	PRICE
ERA01	Driving Cap	Case Hardened Steel	R 29.00
ERA02	Driving Tip	Case Hardened Steel	R 26.00
ERA03	Coupling	Brass	R 36.00
ERA04	70mm Clamp	Brass	R 26.00



AGE Technologies
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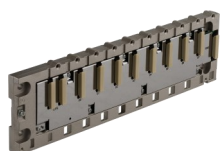
Modicon QUANTUM



PART NUMBER	DESCRIPTION	PRICE
Quantum Unity Processors - Standard		
140CPU31110	QUANTUM PROCESSOR FOR UNITY W/400K	R 39,022.02
Quantum Unity Processors - High End		
140CPU65150	QUANTUM PROCESSOR- UNITY W/ 1024/7168K	R 73,174.62
Quantum Backplane		
140XBP01000	BACKPLANE 10 SLOT	R 5,023.37
140XBP01600	BACKPLANE 16 SLOTS	R 6,568.27
Quantum Power Supplies (New Model)		
140CPS11420	AC PS 115/230V SUMM	R 11,373.28
Modicon SRAM PCMCIA Memory Cards		
TSXMRPC001M	SRAM MEM 1MB CONF	R 17,128.16
Quantum Remote I/O (RIO) Modules		
140CRP93100	RIO HEAD S908 1CH	R 14,631.21
140CRA93100	RIO DROP S908 1CH	R 14,631.21
140CRA31200	QUANTUM RIO DROP E/IP 1CH	R 16,071.30
140CRP31200	QUANTUM ETHERNET RIO HEAD	R 17,678.43
Quantum Ethernet Modules		
140NOE77101	TSX QUANTUM ETHERNET 10/100 BASE T100FX	R 22,866.66
Ethernet/IP Modules		
140NOC77101	ETHERNET/IP & MODBUS TCP QUANTUM MODULE	R 22,029.25
Quantum Profibus DP Communication Modules and Cabling Components		
TCSEGA23F14F	PROFIBUS REMOTE MASTER	R 12,903.00
Quantum Discrete Inputs		
140DAI54000	AC IN 115V 16 X 1	R 6,568.27
140DAI74000	AC IN 230V 16 X 1	R 6,568.27
140DDI35300	DISCRETE DC INPUT MODULE 24V 4 X 8 SINK	R 7,722.30
Quantum Discrete Outputs		
140DAO84210	AC OUT 100-230V 4 X 4	R 6,958.04
140DRA84000	RELAY OUT 16 X 1 NO	R 7,722.30
140DDO35300	DISCRETE DC OUTPUT 24V 4 X 8 SOURCE	R 9,267.20
Quantum Analogue I/O		
140ACI04000	ANALOG INPUT 16 CHAN CURRENT	R 24,741.28
140ATI03000	TC IN 8CH	R 21,592.53
140ARI03010	MODULE RTD IN 8CH 2,3,4 WIRE	R 21,592.53
140ACO02000	AN OUT 4CH CURR	R 15,444.60
140ACO13000	ANALOG OUT 8 CHAN CURRENT	R 23,241.15
Quantum Expert I/O		
140EHC20200	HI-SPEED CTR 2CH 500KHZ	R 19,135.98
Quantum Components		
990XCP98000	QUANTUM CPU BATTERY FOR S	R 574.29
140XTS00200	TERMINAL STRIP 40 POINTS	R 509.87



Modicon M340



PART NUMBER	DESCRIPTION	PRICE
M340 Backplanes and Extension Cables		
BMXXBE2005	BACKPLANE EXTENDER KIT	R 7,711.37
BMXXBP0800	8 SLOTS BACKPLANE	R 2,335.39
BMXXBP1200	12 SLOTS BACKPLANE	R 3,784.71
M340 Power Supply		
BMXCPS2000	STANDARD AC POWER SUPPLY	R 3,643.90
BMXCPS3500	HIGH POWER AC POWER SUPPLY	R 7,144.70
M340 CPU		
BMXP342000	CPU340-20 MODBUS	R 7,797.83
BMXP342020	CPU340-20 MODBUS ETHERNET	R 15,853.72
M340 Digital Modules		
BMXDAI0805	DIG 8 IN 220 VAC	R 2,162.53
BMXDAI1604	DIG 16I 100 TO 120 VAC	R 2,970.76
BMXDDI3202K	DIG 32I 24 VDC SINK	R 4,703.98
BMXDDO3202K	DIG 32Q TRANS SOURCE 0.1A	R 5,535.11
BMXDRA1605	DIG 16Q RELAYS	R 3,784.71
M340 Analogue Modules		
BMXAMI0410	ANA 4 U/I IN ISOLATED HIGH SPEED	R 6,525.36
BMXAMI0810	ANA 8 U/I IN ISOLATED FAST	R 8,034.21
BMXAMO0410	ANA 4 U/I OUT ISOLATED	R 7,414.87
BMXART0814	ANA 8 TC/RTD ISOLATED IN	R 13,087.35
M340 Expert Modules		
BMXEH0200	HIGH SPEED COUNTER 2 CH	R 6,613.51
M340 Networks		
BMXCRA31210	M340 RIO DROP E/IP PERF	R 13,570.00
BMXNOC0401	ETHERNET/IP & MODBUS TCP M340 MODULE	R 13,500.00
BMXNRP0200	FIBER CONVERTER MM/LC 2CH 100MB	R 5,376.32
BMXPRA0100	PERIPHERAL REMOTE IO ADAPTOR	R 10,401.78
TCSEGA23F14F	PROFIBUS REMOTE MASTER	R 12,903.00



AGE Technologies
Johannesburg

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Modicon M340



PART NUMBER	DESCRIPTION	PRICE
Modicon M340 20-way FTB Terminal Blocks without Cable		
BMXFTB2000	SCREW TERMINAL STRIP 20 STD. POINTS	R 336.57
Modicon M340 20-way FTB Terminal Blocks and Cables (flying lead) for Discrete I/O		
BMXFTW301	FTB 20 WIRE 3M CABLE	R 495.70
Modicon M340 40-way FCN Connectors and Cables (flying lead) for Discrete I/O		
BMXFCW301	FCN 20 WIRE 3M CABLE	R 495.70
BMXFCW303	FCN 2 X 20 WIRE 3M CABLE	R 796.78
Modicon M340 FTB Terminal Blocks & FCN Connectors with Cables (flying lead) for Analogue I/O		
BMXFTW301S	FTB 20 WIRE 3M SHIELDED CABLE	R 796.78
BMXFTW308S	28-WIRE PREFORMED SHIELDED FTB CABLE 3M	R 849.44
M340 Accessories		
BMXXEM010	5 PROTECTIVE COVERS	R 619.34
BMXXTSHSC20	HSC CONNECTOR KIT	R 336.57

Modicon M580



PART NUMBER	DESCRIPTION	PRICE
M580 Backplanes		
BMEXBP0800	8 SLOTS ETHERNET BACKPLANE	R 3,151.00
BMEXBP1200	12 SLOTS ETHERNET BACKPLANE	R 4,485.00
M580 CPU		
BMEP582040	M580 CPU LEVEL 20 – DIO & RIO	R 42,550.00
BMEP583040	M580 CPU LEVEL 30 – DIO & RIO	R 66,700.00
BMEP584040	M580 CPU LEVEL 40 – DIO & RIO	R 96,600.00
M580 Networks		
BMECRA31210	RIO DROP E/IP PERF ON ETHERNET	R 13,570.00
BMXNOC0402	ETHERNEPIP & MODBUS TCP MODULE	R 13,800.00



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PART NUMBER	DESCRIPTION	PRICE
POWER SUPPLIES		
1756-PA72	CONTROLLOGIX 120/240 VAC POWER SUPPLY	R 7,720.00
1756-PA75	85 - 265 VAC POWER SUPPLY (5V @ 13A)	R 9,480.00
CHASSIS		
1756-A10	10 SLOT CONTROLLOGIX CHASSIS	R 5,210.00
1756-A13	13 SLOT CONTROLLOGIX CHASSIS	R 6,250.00
1756-A17	17 SLOT CONTROLLOGIX CHASSIS	R 7,380.00
1756-A4	4 SLOT CONTROLLOGIX CHASSIS	R 2,810.00
1756-A7	7 SLOT CONTROLLOGIX CHASSIS	R 4,290.00
CPU'S		
1756-L71	LOGIX 5573 PROCESSOR WITH 2MBYTE MEMORY	R 45,400.00
1756-L72	LOGIX 5573 PROCESSOR WITH 4MBYTE MEMORY	R 65,800.00
1756-L73	LOGIX 5573 PROCESSOR WITH 8MBYTE MEMORY	R 95,200.00
1756-L74	LOGIX 5574 PROCESSOR WITH 16MBYTE MEMORY	R 117,300.00
1756-L75	CONTROL LOGIX 32 MB CONTROLLER	R 155,900.00
DIGITAL INPUTS		
1756-IA16	79-132 VAC INPUT 16 PTS (20 PIN)	R 3,900.00
1756-IA16I	79-132 VAC ISOLATED INPUT 16 PTS (36 PIN)	R 4,910.00
1756-IA32	74-132 VAC INPUT 32 PTS (36P)	R 925.00
1756-IB16	10-31 VDC INPUT 16 PTS (20 PIN)	R 3,020.00
1756-IB16I	10-30 VDC ISOLATED INPUT 16 PTS (36 PIN)	R 4,700.00
1756-IB32	10-31 VDC INPUT 32 PTS (36 PIN)	R 4,000.00
DIGITAL OUTPUTS		
1756-OA16	74-265 VAC OUTPUT 16 PTS (20 PIN)	R 5,520.00
1756-OA16I	74-265 VAC ISOLATED OUTPUT 16 PTS (36 PIN)	R 6,890.00
1756-OB16I	10-30 VDC ISOLATED OUTPUT 16 PTS (36 PIN)	R 5,870.00
1756-OB32	10-31 VDC OUTPUT 32 PTS (36 PIN)	R 5,660.00
1756-OW16I	N.O. ISOLATED RELAY OUTPUT 16 PTS (36 PIN)	R 5,290.00



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PART NUMBER	DESCRIPTION	PRICE
ANALOG INPUTS		
1756-IF16	ANALOGUE INPUT - CURRENT/VOLTAGE 16 PTS (36 PIN)	R 13,200.00
1756-IF4FXOF2F	FAST ANALOGUE 4 CUR-VOLT IN/2 CUR-VOLT OUT (36 PIN)	R 19,700.00
1756-IF6I	ISOLATED ANALOGUE INPUT-CURRENT/VOLTAGE 6 PTS(20PIN)	R 17,500.00
1756-IF8	ANALOGUE INPUT - CURRENT/VOLTAGE 8 PTS (36 PIN)	R 9,030.00
1756-IF8H	ANALOG INPUT W/HART 8PT (36 PIN)	R 11,500.00
1756-IR6I	ISOLATED RTD INPUT 6 PTS (20 PIN)	R 19,000.00
1756-IT6I	ISOLATED THERMOCOUPLE/MV INPUT 6 PTS (20 PIN)	R 23,300.00
ANALOG OUTPUTS		
1756-OF4	ANALOGUE OUTPUT - CURRENT/VOLTAGE 4 PTS (20 PIN)	R 10,100.00
1756-OF6CI	ISOLATED ANALOGUE OUTPUT - CURRENT 6 PTS (20 PIN)	R 21,300.00
1756-OF6VI	ISOLATED ANALOGUE OUTPUT - VOLTAGE 6 PTS (20 PIN)	R 21,300.00
1756-OF8	ANALOGUE OUTPUT - CURRENT/VOLTAGE 8 PTS (20 PIN)	R 16,900.00
COMMUNICATION OPTIONS		
1756-CNB	CONTROL NET BRIDGE MODULE	R 13,200.00
1756-CNBR	CONTROL NET REDUNDANT BRIDGE MODULE	R 18,400.00
1756-CN2	CONTROLNET INFACE MODULE (100 CONNECTIONS)	R 18,800.00
1756-CN2R	CONTROLNET REDUNDANT INFACE MODULE (100 CONNECTIONS)	R 18,800.00
1756-DNB	DEVICE NET BRIDGE/SCANNER MODULE	R 10,400.00
1756-EN2F	CLX HI CAPACITY ETHERNET/IP MODULE - FIBRE	R 27,400.00
1756-EN2T	CONTROLLOGIX HIGH CAPACITY ETHERNET/IP MODULE - TP	R 24,200.00
1756-EN2TR	2-PORT CLX HI-CAP ENET/P	R 26,000.00
1756-ENBT	CLX ETHERNET/IP 10/100 BRIDGE MODULE - TWISTED PR	R 18,800.00
SPECIAL MODULES		
1756-HSC	HIGH SPEED COUNTER	R 9,030.00
1756-IR6I	ISOLATED RTD INPUT 6 PTS (20 PIN)	R 19,000.00
1756-IT6I	ISOLATED THERMOCOUPLE/MV INPUT 6 PTS (20 PIN)	R 23,300.00
ACCESSORIES		
1756-TBCH	36 PIN SCREW CLAMP BLOCK WITH STANDARD HOUSING	R 726.00
1756-TBNH	20 POSITION NEMA SCREW CLAMP BLOCK WITH STANDARD HOUSING	R 584.00



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PART NUMBER	DESCRIPTION	PRICE
POWER SUPPLIES		
1769-PA2	120/240 VAC INPUT POWER SUPPLY 2 AMPS @ 5 VDC OUTPUT	R 2,340.00
1769-PA4	120/240 VAC INPUT POWER SUPPLY 4A @ 5V DC, 2A @ 24V DC	R 3,870.00
1769-PB2	24 VDC INPUT POWER SUPPLY 2 AMPS @ 5 VDC OUTPUT	R 2,340.00
1769-PB4	24V DC INPUT POWER SUPPLY: 4A @ 5V DC 2A @ 24V DC	R 3,870.00
CPU'S		
1769-L16ER-BB1B	Dual Ethernet w/DLR capability, 384KB Memory, 6 I/O Expansion via 1734 POINT I/O, 4 Ethernet IP Nodes, 24VDC. This Controller uses POINT I/O (1734) backplane. Controllers are shipped with 1GB SD card and can support up to 2GB SD card.	R 12,000.00
1769-L18ER-BB1B	Dual Ethernet w/DLR capability, 512KB Memory, 8 I/O Expansion via 1734 POINT I/O, 8 Ethernet IP Nodes, 24VDC. This Controller uses POINT I/O (1734) backplane. Controllers are shipped with 1GB SD card and can support up to 2GB SD card.	R 14,600.00
1769-L24ER-QB1B	CompactLogix 5370 L2 Controller, 2 EtherNet/IP ports with Device Level Ring Capability, 750KB Memory, 16 DC Inputs, 16 DC Outputs, Up To 4 1769 I/O Expansion Modules, 8 EtherNet/IP and 120 TCP Connections, 24V DC Input Embedded Power Supply, With 1GB SD Card, Can Support Up To 2GB SD Card, 1 USB Port.	R 15,700.00
1769-L24ER-QBFC1B	CompactLogix 5370 L2 Controller, 2 EtherNet/IP Ports With Device Level Ring Capability, 750KB Memory, 16 DC Inputs, 16 DC Outputs, 4 Universal Analog Inputs, 2 Analog Outputs, 4 High Speed Counters, Up To 4 1769 I/O Expansion Modules, 8 EtherNet/IP And 120 TCP Connections, 24V DC Input Embedded Power Supply, With 1GB SD card, Can Support Up To 2GB SD Card, 1 USB Port.	R 21,700.00
1769-L27ERM-QBFC1B	CompactLogix 5370 L2 Controller, 2 EtherNet/IP Ports with Device Level Ring Capability, 1MB Memory, 16 DC Onputs, 16 DC Outputs, 4 Universal Analog Inputs, 2 Analog Outputs, 4 High Speed Counters, Up To 4 1769 I/O Expansion Modules, 4 CIP Motion Axis With Kinematics Function, 16 EtherNet/IP and 120 TCP Connections, 24V DC Embedded Power Supply, With 1GB SD Card, Can Support Up To 2GB SD Card, 1 USB Port.	R 29,300.00
1769-L30ER	Dual Ethernet w/DLR capability, 1MB Memory, 8 I/O Expansion, 16 Ethernet IP Nodes. Controllers are shipped with 1GB SD card and can support up to 2GB SD card.	R 21,700.00
1769-L30ERM	COMPACTLOGIX 1MB MEMORY CONTROLLER	R 26,800.00
1769-L33ER	Dual Ethernet w/DLR capability, 2MB memory, 16 I/O Expansion, 32 Ethernet IP Nodes. Controllers are shipped with 1GB SD card and can support up to 2GB SD card.	R 25,900.00
1769-L33ERM	COMPACTLOGIX 2MB MEMORY CONTROLLER	R 31,800.00
1769-L36ERM	COMPACTLOGIX 3 MB MEMORY CONTROLLER	R 31,800.00
DIGITAL INPUTS		
1769-IA16	16 POINT 120 VAC INPUT MODULE	R 2,420.00
1769-IM12	12 POINT 240 VAC INPUT MODULE	R 2,210.00
1769-IQ16	16 POINT 24 VDC SINKING/SOURCING INPUT MODULE	R 2,070.00
1769-IQ32	1769 32 POINT 24VDC INPUT MODULE	R 3,620.00



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PART NUMBER	DESCRIPTION	PRICE
DIGITAL OUTPUTS		
1769-OA16	16 POINT 120/240 VAC OUTPUT MODULE	R 3,700.00
1769-OB16	16 POINT 24 VDC SOURCING OUTPUT MODULE	R 2,690.00
1769-OB32	1769 32 POINT 24VDC OUTPUT MODULE	R 4,390.00
1769-OW8	8 POINT VAC/VDC RELAY OUTPUT MODULE	R 1,840.00
1769-OW8I	8 POINT VAC/VDC INDIVIDUALLY ISOLATED RELAY OUTPUT MODULE	R 2,510.00
1769-OW16	16 POINT VAC/VDC RELAY OUTPUT MODULE	R 3,420.00
ANALOG INPUTS		
1769-IF16C	1769-IF16C, 16-CH ANALOG CURRENT	R 9,730.00
1769-IF16V	1769-IF16V, 16-CH ANALOG VOLTAGE	R 9,830.00
1769-IF4	4 CHANNEL ANALOGUE CURRENT/VOLTAGE INPUT MODULE	R 4,160.00
1769-IF4I	4 CHANNEL CURRENT/VOLTAGE ISOLATED ANALOG INPUT	R 7,800.00
1769-IF8	8 CHANNEL ANALOG VOLTAGE/CURRENT INPUT MODULE	R 6,650.00
ANALOG OUTPUTS		
1769-OF2	2 CHANNEL ANALOGUE CURRENT/VOLTAGE OUTPUT MODULE	R 4,190.00
1769-OF4CI	4 CHANNEL CURRENT ISOLATED ANALOG OUTPUT	R 9,490.00
1769-OF4VI	4 CHANNEL VOLTAGE ISOLATED ANALOG OUTPUT	R 9,650.00
1769-OF8C	8 CHANNEL ANALOG CURRENT OUTPUT MODULE	R 12,600.00
1769-OF8V	8 CHANNEL ANALOG VOLTAGE OUTPUT MODULE	R 12,700.00
COMBINATION I/O MODULES		
1769-IQ6XOW4	COMBO 6PT 24 VDC SNK/SOU IN, 4PT VAC/VDC RELAY OUT	R 2,090.00
1769-IF4FXOF2F	FAST ANALOG 4 CUR-VOLT IN/2 CUR-VOLT OUT	R 8,440.00
1769-IF4XOF2	4 CHANNEL ANALOGUE INPUT, 2 CHANNEL OUTPUT COMBO LOW RESOL.	R 5,010.00
COMMUNICATION OPTIONS		
1769-AENTR	Ethernet/IP Adaptor	R 7,820.00
1769-ADN	1769 COMPACT I/O DEVICE NET ADAPTER	R 5,990.00
1769-SDN	DEVICE NET SCANNER FOR 1764 AND 1769 CONTROLLERS	R 7,340.00
SPECIAL MODULES		
1769-HSC	2/4 CHANNEL HIGH SPEED COUNTER/ENCODE MODULE	R 7,650.00
1769-IR6	6 CHANNEL RTD/RESISTANCE INPUT MODULE	R 8,990.00
1769-IT6	6 CHANNEL THERMOCOUPLE/MILLIVOLT INPUT MODULE	R 8,440.00
ACCESSORIES		
1769-ECL	LEFT END CAP/TERMINATOR	R 375.00
1769-ECR	RIGHT END CAP/TERMINATOR	R 291.00



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PART NUMBER	DESCRIPTION	PRICE
ACCESSORIES - CONTROL NET NETWORK		
1786-TPR	CONTROL NET T-TAP/RIGHT ANGLE	R 998.00
1786-TPS	CONTROL NET T-TAP/STRAIGHT	R 998.00
1786-XT	CONTROL NET 75 OHM TERMINATOR PLUG (SOLD IN LOTS OF 50)	R 81.90
1786-RG6	CONTROL NET RG6 SHIELD HIGH FLEX CABLE-1000FT ROLL	R 5,560.00
PROGRAMMING SOFTWARE		
9324-RLD250ENE	RSLogix 5000 Lite Edition English Compact Logix only)	R 17,500.00
9324-RLD300ENE	RSLOGIX 5000 STANDARD - CD-ROM	R 29,200.00
9324-RLD600ENE	RSLOGIX 5000 FULL EDITION, ENGLISH	R 52,500.00
9324-RLD700XENE	RSLOGIX 5000 PRO EDITION, ENGLISH	R 65,900.00

MicroLogix 1400



PART NUMBER	DESCRIPTION	PRICE
1766-L32AWA	32 PT ML1400 20x 120VAC IN/12x RELAY OUT	R 8,070.00
1766-L32AWAA	32 PT ML 1400 20x 120VAC IN/12x RELAY OUT/4x ANALOG VOLTAGE	R 10,100.00
1766-L32BWA	32 PT ML1400 20x 24VDC IN/12x RELAY OUT	R 8,070.00
1766-L32BWAA	32 PT ML 1400 20x 24VDC IN/12x RELAY OUT/4x ANALOG VOLTAGE	R 10,100.00
1766-L32BXB	32 PT ML1400 20x 24VDC IN/6x RELAY OUT/6x FET OUT	R 8,070.00
1766-L32BXBA	32 PT ML1400 20x 24VDC IN/6x RELAY OUT/6x FET OUT/4x ANALOG	R 10,100.00
1766-MM1	ML1400 MEMORY MODULE	R 1,950.00
9324-RLM0800ENE	RSLogix Micro Developer, English, CD-ROM	R 4,620.00
PROGRAMMING SOFTWARE		
9324-RL0300ENE	RSLOGIX 500 STANDARD CD-ROM	R 20,400.00

Micro 800



PART NUMBER	DESCRIPTION	PRICE
2080-LC10-12QWB	Micro810 Controller, 8IN 24VDC, 4AIN 0-10V, 4RLY, 24V PWR	R 909.00
2080-LC10-12AWA	Micro810 Controller, 8IN 120/240VAC, 4RLY, AC PWR	R 909.00
2080-LC10-12QBB	Micro810 Controller, 8IN 24VDC, 4AIN 0-10V, 4SRC, 24V PWR	R 909.00
2080-LC10-12DWD	Micro810 Controller, 8IN 12VDC, 4AIN 0-10V, 4RLY, DC-12V PWR	R 909.00
2080-LC20-20QWB	Micro820 Controller, 12 24VDC Inputs, 4 configurable analog input with thermistor voltage reference out, 7 Relay Output, 1 Analog Output, Embedded Ethernet Port and RS-232/485 non-isolated Serial port, Embedded RTC, MicroSD Card support, 2 Plug-In slots	R 2,800.00
2080-LC20-20QBB	Micro820 Controller, 12 24VDC Inputs, 4 configurable analog input with thermistor voltage reference out, 7 24VDC Output, 1 Analog Output, Embedded Ethernet Port and RS-232/485 non-isolated Serial port, Embedded RTC, MicroSD Card support, 2 Plug-In slots	R 2,800.00



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Micro 800



PART NUMBER	DESCRIPTION	PRICE
2080-LC20-20QWBR	Micro820 Controller, 12 24VDC Inputs, 4 configurable analog input with thermistor voltage reference out, 7 Relay Output, 1 Analog Output, Embedded Ethernet Port and RS-232/485 non-isolated Serial port, Embedded RTC, MicroSD Card support, 2 Plug-In slots, with RTB terminals	R 3,130.00
2080-LC20-20QBRR	Miro820 Controller, 12 24VDC Inputs, 4 configurable analog input with thermistor voltage reference out, 7 24VDC Output, 1 Analog Output, Embedded Ethernet Port and RS-232/485 non-isolated Serial port Embedded RTC, MicroSD Card support, 2 Plug-In slots, with RTB terminals	R 3,130.00
2080-LC50-24QBB	Micro850 EtherNet /IP Controller, 14 24 VDC/VAC Inputs, 10 Source Output, 24 DC Input Power, Up to 4 HSC channels, Embedded USB Programming Port, Ethernet Port and Non-Isolated RS232/485 Serial Port, 3 Plug-In Ports	R 4,840.00
2080-LC50-24QWB	Micro850 EtherNet /IP Controller, 14 24 VDC/VAC Inputs, 10 Relay Output, 24 DC Input Power, Up to 4 HSC channels, Embedded USB Programming Port, Ethernet Port and Non-Isolated RS232/485 Serial Port, 3 Plug-In Ports	R 4,840.00
2080-LC50-48AWB	Micro850 EtherNet /IP Controller, 28 120V AC Inputs, 20 Relay Output, 24 DC Input Power, Embedded USB Programming Port, Ethernet Port and Non-Isolated RS232/485 Serial Port, 5 Plug-In Ports	R 7,090.00
2080-LC50-48QBB	Micro850 EtherNet /IP Controller, 28 24 VDC/VAC Inputs, 20 Source Output, 24 DC Input Power, Up to 6 HSC channels, Embedded USB Programming Port, Ethernet Port and Non-Isolated RS232/485 Serial Port, 5 Plug-In Ports	R 7,090.00
2080-LC50-48QWB	Micro850 EtherNet /IP Controller, 28 24 VDC/VAC Inputs, 20 Relay Output, 24 DC Input Power, Up to 6 HSC channels, Embedded USB Programming Port, Ethernet Port and Non-Isolated RS232/485 Serial Port, 5 Plug-In Ports	R 7,090.00
PlugIns for 820,830 & 850		
2080-DNET20	4-ch V/I Analog Input Unipolar 0-10V (non-isolated)	R 1,610.00
2080-IF4	2-ch V/I Analog Input Unipolar 0-10V (non-isolated)	R 1,610.00
2080-IF2	2-ch V/I Analog Input Unipolar 0-10V (non-isolated)	R 952.00
2080-OF2	2-ch V, 2-ch I Analog Output Unipolar (non-isolated)	R 952.00
2080-SERIALISOL	RS232/485 isolated serial port	R 747.00
2080-TRIMPOT6	6-ch Trim Pot Analog Input	R 1,070.00
2080-MEMBAK-RTC	Project, Data Log, Recipe Backup and High Accuracy RTC	R 1,070.00
2080-MOT-HSC	High Speed Counter, 4 inputs with Line Driver, 250KHz	R 1,070.00
2080-RTD2	2-ch RTD Input (non-isolated)	R 1,180.00
2080-TC2	2-ch Thermocouple Input (non-isolated)	R 1,180.00
2080-IQ4	4-ch Digital Input module	R 530.00
2080-IQ4OB4	4-ch Digital Input / Output combination module	R 854.00
2080-OB4	4-ch Digital Output module	R 530.00
2080-OW4I	4-ch Relay Output Module	R 747.00



Micro 800

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PART NUMBER	DESCRIPTION	PRICE
Only Mico 850		
2085-IQ16	Micro800 Input Module, Digital, 16 Point, 12/24VDC, Sink/Source, IEC	R 1,500.00
2085-OB16	Micro800 Output Module, Digital, 16 Point, 12/24VDC, Source	R 1,880.00
2085-OW8	Micro800 Output Module, Digital, 8 Point, 12/24VDC, Relay, 2A	R 1,230.00
2085-OW16	Micro800 Output Module, Digital, 16 Point, 12/24VDC, Relay, 2A	R 1,830.00
2085-IA8	Micro800 Input Module, Digital, 8 Point, 120 VAC	R 1,180.00
2085-IM8	Micro800 Input Module, Digital, 8 Point, 240 VAC	R 1,180.00
2085-OA8	Micro800 Output Module, Digital, 8 Point, 120/240V AC, Triac	R 1,500.00
2085-IF4	Micro800 Input Module, Analog, Voltage/Current, 4 Channels, Bipolar, +10V, 0-20mA	R 2,370.00
2085-IF8	Micro800 Input Module, Analog, Voltage/Current, 8 Channels, Bipolar, +10V, 0-20mA	R 4,080.00
2085-OF4	Micro800 Output Module, Analog, Voltage/Current, 4 Channels, Bipolar, +10V, 0-20mA	R 2,370.00
2085-IRT4	Micro800 Input Module, Analog, Thermocouple/RTD, 4 Channels	R 3,650.00
2085-ECR	Micro800 Expansion I/O End Caps / Terminator	R 161.00
Extras		
2080-USBADAPTER	USB Adapter Plug for Micro810 12-pt only	R 215.00
2080-LCD	1.5 LCD Display and Keypad, for Micro810 only	R 321.00
2080-REMLCD	LCD Display and Keypad, for Micro820 only	R 1,610.00
2080-PS120-240VAC	120/240VAC to 24VDC Power Supply for Controller and Exp I/O	R 514.00
PanelView Component for MicrLogix and Micro800		
2711C-F2M	PanelView Component, C200 Model, 2 in., Monochrome	R 2,650.00
2711C-K2M	PanelView Component, C200 Model, 2 in., Monochrome	R 3,300.00
2711C-K3M	PanelView Component, C300 Model, 3 in., Monochrome	R 4,590.00
2711C-T3M	PanelView Component, C300 Model, 3 in., Monochrome	R 3,710.00
2711C-T4T	PanelView Component, C400 Model, 4 in., Color (TFT)	R 3,560.00
2711C-T6M	PanelView Component, C600 Model, 6 in., Monochrome	R 5,540.00
2711C-T6T	PanelView Component, C600 Model, 6 in., Color (TFT)	R 6,790.00
2711C-T10C	PanelView Component, C1000 Model, 10 in., Color (TFT) 10" Display	R 16,300.00

PART NUMBER	DESCRIPTION	PRICE
2711P-K4M20D8	400 Model, Keypad, Grayscale, Ethernet and RS-232 Communication, DC Input, Windows CE 6.0	R 7,470.00
2711P-K4C20D8	400 Model, Keypad, Color, Ethernet and RS-232 Communication, DC Input, Windows CE 6.0	R 8,980.00
2711P-B4C20D8	400 Model, Keypad/Touch, Color, Ethernet and RS-232 Communication, DC Input, Windows CE 6.0	R 9,770.00
2711P-K6M20D8	600 Model, Keypad, Grayscale, Ethernet and RS-232 Communication, DC Input, Windows CE 6.0	R 15,500.00
2711P-T6M20D8	600 Model, Touch Screen, Grayscale, Ethernet and RS-232 Communication, DC Input, Windows CE 6.0	R 13,000.00
2711P-B6M20D8	600 Model, Keypad/Touch, Grayscale, Ethernet and RS-232 Communication, DC Input, Windows CE 6.0	R 16,500.00
2711P-K6C20D8	600 Model, Keypad, Color, Ethernet and RS-232 Communication, DC Input, Windows CE 6.0	R 21,400.00
2711P-T6C20D8	600 Model, Touch Screen, Color, Ethernet and RS-232 Communication, DC Input, Windows CE 6.0	R 19,000.00
2711P-B6C20D8	600 Model, Keypad/Touch, Color, Ethernet and RS-232 Communication, DC Input, Windows CE 6.0	R 22,700.00
THE BELOW COMES WITH STANDARD - Color, Standard Communication Ethernet & RS-232, DC Input, Windows CE 6.0 with Extended Features		
2711P-T7C4D8	700 Model, Touch Screen	R 26,000.00
2711P-B7C4D8	700 Model, Keypad/Touch	R 28,900.00
2711P-T10C4D8	1000 Model, Touch Screen	R 34,900.00
2711P-B10C4D8	1000 Model, Keypad/Touch	R 37,500.00
2711P-T10C4D9	1000 Model, Touch Screen	R 34,900.00
2711P-B10C4D9	1000 Model, Keypad/Touch	R 37,500.00
2711P-T12C4D8	1250 Model, Touch Screen	R 43,600.00
2711P-B12C4D8	1250 Model, Keypad/Touch	R 46,300.00
2711P-T12C4D9	1250 Model, Touch Screen	R 46,000.00
2711P-T15C4D9	1500 Model, Touch Screen	R 54,600.00
PROGRAMMING SOFTWARE		
9701-VWSTMENE	FactoryTalk View Studio for Machine Edition	R 7,810.00
9701-VWSTENE	FactoryTalk View Studio for FactoryTalk View Enterprise	R 24,700.00



SIEMENS

SIEMENS S7-1200



PART NO.	DESCRIPTION	PRICE
LOW LEVEL PERFORMANCE RANGE PLC		
6ES7212-1HE31-0XB0	CPU 1212C, DC/DC/RLY, ONBOARD I/O: 8 DI 24V DC; 6 DO RELAY 2A; 2 AI	R 3,400.00
6ES7214-1HG31-0XB0	CPU 1214C, COMPACT CPU, DC/DC/RELAY, ONBOARD I/O: 14 DI 24V DC; 10	R 5,150.00
6ES7215-1HG31-0XB0	SIMATIC S7-1200, CPU 1215C, COMPACT CPU, DC/DC/RELAY, 2 PROFINET PORT,	R 7,760.00
DIGITAL I/O		
6ES7221-1BF32-0XB0	SM 1221, 8DI, 24V DC, SINK/SOURCE INPUT	R 1,490.00
6ES7221-1BH32-0XB0	SM 1221, 16 DI, 24VDC, SINK/SOURCE INPUT	R 2,360.00
6ES7222-1HF32-0XB0	SM 1222, 8 DO, RELAY 2A	R 1,490.00
6ES7222-1HH32-0XB0	SM 1222, 16 DO, RELAY 2A	R 2,360.00
6ES7223-1PL32-0XB0	SM 1223, 16DI/ 16DO, 16DI DC 24V, SINK/SOURCE, 16DO, RELAY 2A	R 3,740.00
ANALOG I/O		
6ES7231-4HD32-0XB0	SM 1231, 4AI, +/-10V, +/-5V, +/-2.5V, OR 0-20mA 12 BIT+ SIGN BIT (13BIT ADC)	R 3,060.00
6ES7231-5ND32-0XB0	SM 1231, 8 AI, +/-10V, +/-5V, +/-2.5V, OR 0-20 MA 12 BIT + SIGN OR (13 BIT ADC)	R 4,980.00
6ES7232-4HB32-0XB0	SM 1232, 2 AO, +/-10V, 14 BIT RESOLUTION, OR 0-20 MA, 13 BIT RESOLUTION	R 3,230.00
6ES7232-4HD32-0XB0	SM 1232, 4 AO, +/-10V, 14 BIT RESOLUTION, OR 0-20 MA, 13 BIT RESOLUTION	R 5,150.00
COMMUNICATION		
6ES7241-1CH32-0XB0	CM 1241, RS485, 9 PIN SUB D (MALE), SUPPORTS MESSAGE BASED FREEPORT	R 1,740.00
6GK7242-7KX30-0XE0	CP 1242-7 FOR CONNECTION OF SIMATIC S7-1200 TO GSM/GPRS NET	R 9,200.00
6GK7243-5DX30-0XE0	CM 1243-5 FOR CONNECTION OF SIMATIC S7-1200 TO PROFIBUS AS DP MASTER MODULE	R 7,640.00

SIEMENS S7-300



MID LEVEL PERFORMANCE RANGE PLC		
6ES7315-2AH14-0AB0	CPU 315-2DP CPU WITH MPI INTERFACE INTEGRATED 24 V DC POWER SUPPLY 256 KB	R 26,400.00
6ES7315-2EH14-0AB0	CPU 315-2 PN/DP, 384 KB MEMORY, 1. INTERFACE MPI/DP 12MBIT/S, 2. INTERFACE	R 26,400.00
6ES7317-2EK14-0AB0	CPU 317-2 PN/DP, WITH 1 MB MEMORY, 1. INTERFACE MPI/DP 12MBIT/S, 2. INTERFACE	R 66,000.00
DIGITAL I/O		
6ES7321-1BH02-0AA0	SM 321, OPT ISOLATED, 16DI, 24 V DC, 1 X 20 PIN	R 2,870.00
6ES7321-1BL00-0AA0	SM 321, OPT ISOLATED 32DI, 24 V DC, 1 X 40 PIN	R 5,770.00
6ES7321-1FH00-0AA0	SM 321, OPT ISOLATED 16 DI, 120/230V AC, 1 X 20 PIN	R 3,690.00
6ES7322-1HF01-0AA0	SM 322, OPT ISOLATED, 8 DO (RELAY), 1 X 20 PIN 24V DC, 2A OR 230V AC, 2A	R 2,770.00
6ES7322-1HH01-0AA0	SM 322, OPT 16DO, RELAY CONTACT'S, 1 X 20 PIN	R 5,930.00
6ES7322-1BL00-0AA0	SM 322, OPTICALLY ISOLATED, 32DO, 24V DC, 0.5A, 1 X 40 PIN	R 7,990.00



SIEMENS S7-300

SIEMENS



PART NO.	DESCRIPTION	PRICE
ANALOG I/O		
6ES7331-7KF02-0AB0	SM 331, OPTICALLY ISOLATED, 8AI, RESOLUTION 9/12/14 BITS, U/I/ THERMOCOUPLE/	R 11,000.00
6ES7331-7PF01-0AB0	SM 331, OPT. ISOL., 2/3/4 WIRE, 8AI, RESISTANCE, PT100/200/100	R 13,200.00
6ES7331-7PF11-0AB0	SM 331, OPT ISOLATED, 8 AI THERMOCOUPLE, TYPE B, E, J, K, L, N, R, S, T	R 13,200.00
6ES7332-5HD01-0AB0	SM 332, OPT ISOLATED, 4 AO, U/I; DIAGNOSTICS; RESOLUTION 11/12 BITS, 20 PIN	R 9,180.00
6ES7332-5HF00-0AB0	SM 332, OPT ISOLATED, 8 AO, U/I; DIAGNOSTICS; RESOLUTION 11/12 BITS, 40 PIN	R 17,100.00
MEMORY CARD		
6ES7953-8LJ30-0AA0	S7-300/C7/ET 200, 3.3 V NFLASH, 512 KBYTES	R 3,320.00
6ES7953-8LL31-0AA0	S7-300/C7/ET 200, 3.3 V NFLASH, 2 MBYTES	R 4,760.00
COMMUNICATION		
6GK7342-5DA03-0XE0	CP342-5 FOR CONNECTING SIMATIC S7-300 TO PROFIBUS, DP, S5-COMPATIBLE -, PG/	R 16,200.00
6GK7343-1CX10-0XE0	SIMATIC NET, CP 343-1 LEAN COMMUNICATION PROCESSOR FOR CONNECTING SIMATIC S7-300 TO IND. ETHERNET VIA TCP/IP AND UDP, MULTICAST, SEND/RECEIVE W.	R 14,500.00
6GK7343-1EX30-0XE0	COMMUNICATIONSPROCESSOR CP343-1 FOR CONNECTING SIMATIC S7-300 TO IND. ETHERNET VIA ISO AND TCP/IP, PROFINET IO-CONTROLLER OR PROFINET IO-DEVICE	R 25,500.00
ET200M		
6ES7153-1AA03-0XB0	SIMATIC DP, INTERFACE IM 153-1, FOR ET 200M, FOR MAX. 8 S7-300 MODULES	R 4,860.00
6ES7153-2BA02-0XB0	SIMATIC DP, ET 200M INTERFACE IM 153-2 HIGH FEATURE FOR MAX. 12 S7-300 MODULES, WITH REDUNDANCY	R 7,380.00
6ES7153-4AA01-0XB0	SIMATIC DP, ET 200M INTERFACE IM 153-4 PN IO FOR MAX. 12 S7-300 MODULES	R 4,860.00
6ES7153-4BA00-0XB0	SIMATIC DP, ET 200M INTERFACE IM 153-4 PN IO HIGH FEATURE FOR MAX. 12 S7-300 MODULES, SUPPORTS FAIL SAFE MODULES, HART MODULES SHARED DEVICE, MEDIUM REDUNDANCY PROTOCOL	R 7,380.00
POWER SUPPLIES		
6ES7307-1EA01-0AA0	PS307 INPUT: 120/230 V AC OUTPUT: 24 V DC/5 A	R 2,720.00
6ES7307-1KA02-0AA0	PS307 INPUT: 120/230 V AC OUTPUT: 24 V DC/10 A	R 3,480.00
CONNECTORS AND RAIL		
6ES7390-1AB60-0AA0	SIMATIC S7-300, RAIL L=160MM	R 346.00
6ES7390-1AE80-0AA0	SIMATIC S7-300, RAIL L=480MM	R 538.00
6ES7392-1AJ00-0AA0	SIMATIC S7-300, FRONT CONNECTOR FOR SIGNAL MODULES WITH SCREW	R 419.00
6ES7392-1AM00-0AA0	SIMATIC S7-300, FRONT CONNECTOR 392 WITH SCREW CONTACTS, 40-PIN	R 663.00



SIEMENS

SIEMENS S7-400



PART NO.	DESCRIPTION	PRICE
HIGH LEVEL PERFORMANCE RANGE PLC		
6ES7414-3XM05-0AB0	CPU 414-3 CENTRAL PROCESSING UNIT WITH: 2.8 MB WORKING MEMORY,	R 98,100.00
6ES7416-2XN05-0AB0	CPU 416-2 CENTRAL PROCESSING UNIT WITH: 5.6 MB WORKING MEMORY,	R 138,000.00
6ES7416-3XR05-0AB0	CPU 416-3 CENTRAL PROCESSING UNIT WITH: 11.2 MB WORKING MEMORY,	R 189,000.00
DIGITAL I/O		
6ES7421-1BL01-0AA0	SM 421 DIGITAL INPUT MODULE, OPTIC. ISOLATED, 32 DI, 24V DC	R 5,400.00
6ES7421-1FH20-0AA0	DIG. INPUT MOD. SM 421, OPTIC. ISOLATED, 16 DI, 120/230V UC INPUTS	R 5,950.00
6ES7422-1BL00-0AA0	SM 422 DIGITAL OUTPUT MODULE, OPTIC. ISOLATED, 32 DO, 24V DC, 0.5A	R 7,930.00
6ES7422-1FH00-0AA0	SM 422 DIGITAL OUTPUT MODULE, OPTIC. ISOLATED, 16 DO, 120/230V AC, 2A	R 9,410.00
6ES7422-1HH00-0AA0	SM 422 DIGITAL OUTPUT MODULE, OPTIC. ISOLATED, 16 DO, 5..230V AC, 5A RELAY	R 9,970.00
ANALOG I/O		
6ES7431-0HH00-0AB0	ANALOG INPUT SM 431, NON-ISOLATED 16 AI, RESOLUTION 13 BITS, +/-10V,	R 15,100.00
6ES7431-1KF00-0AB0	SM 431 ANALOG INPUT MODULE OPTIC. ISOLATED, 8 AI, 13 BIT RESOLUTION,	R 11,300.00
6ES7431-7KF10-0AB0	ANALOG INPUT SM 431, 8AI; 16 BIT RESOLUTION, RESIST./PT100/ NI100	R 16,500.00
6ES7432-1HF00-0AB0	SM 432 ANALOG OUTPUT MODULE OPTIC. ISOLATED, 8 AO, 13 BIT RESOLUTION, U/I	R 17,600.00
POWER SUPPLIES		
6ES7407-0KA02-0AA0	SIMATIC S7-400, POWER SUPPLY PS407: 10A, WIDE RANGE, 120/230V UC, 5V DC/10A	R 11,500.00
6ES7407-0KR02-0AA0	SIMATIC S7-400, POWER SUPPLY PS407: 10A, WIDE RANGE, 120/230V UC,	R 14,400.00
COMMUNICATION		
6GK7443-1EX20-0XE0	COMMUNICATIONSPROCESSOR CP443-1 FOR CONNECTING SIMATIC S7-400 TO INDUST. ETHERN. VIA ISO, TCP/IP AND UDP, S7-COMM.	R 48,200.00
6GK7443-5DX05-0XE0	COMMUNICATION PROCESSOR CP443-5 EXTENDED FOR CONNECT. OF SIMATIC S7-400 TO PROFIBUS	R 24,900.00
RACKS AND CONNECTORS		
6ES7400-1JA01-0AA0	UR2 RACK, CENTRALIZED AND DISTRIBUTED WITH 9 SLOTS 2 REDUNDANT	R 7,950.00
6ES7400-1TA01-0AA0	UR1 RACK, CENTRALIZED AND DISTRIBUTED WITH 18 SLOTS 2 REDUNDANT	R 15,300.00
6ES7492-1AL00-0AA0	FRONT CONNECTOR FOR SIGNAL MODULES WITH SCREW-TYPE CONTACT,	R 693.00



SIEMENS S7-1500

SIEMENS

PART NO.	DESCRIPTION	PRICE
HIGH LEVEL PERFORMANCE RANGE PLC		
6ES7511-1AK00-0AB0	SIMATIC S7-1500, CPU 1511-1 PN, CENTRAL PROCESSING UNIT WITH WORKING MEMORY 150 KB FOR PROGRAM AND 1 MB FOR DATA,	R 11,900.00
6ES7513-1AL00-0AB0	SIMATIC S7-1500, CPU 1513-1 PN, CENTRAL PROCESSING UNIT WITH WORKING MEMORY 300 KB FOR PROGRAM AND 1.5 MB FOR DATA,	R 26,500.00
6ES7515-2AM00-0AB0	SIMATIC S7-1500, CPU 1515-2 PN, CENTRAL PROCESSING UNIT WITH WORKING MEMORY 500 KB FOR PROGRAM AND 3 MB FOR DATA, 1. INTERFACE, PROFINET IRT WITH 2 PORT SWITCH, 2. INTERFACE, ETHERNET, 30 NS BIT- PERFORMANCE, SIMATIC MEMORY CARD NECESSARY	R 39,600.00
6ES7516-3AN00-0AB0	SIMATIC S7-1500, CPU 1516-3 PN/DP, CENTRAL PROCESSING UNIT WITH WORKING MEMORY 1 MB FOR PROGRAM AND 5 MB FOR DATA	R 65,300.00
6ES7518-4AP00-0AB0	SIMATIC S7-1500, CPU 1518-4 PN/DP, CENTRAL PROCESSING UNIT WITH WORKING MEMORY 3 MB FOR PROGRAM AND 10 MB FOR DATA, 1. INTERFACE, PROFINET IRT WITH 2 PORT SWITCH, 2. INTERFACE, ETHERNET, 3. INTERFACE, ETHERNET, 4. INTERFACE, PROFIBUS, 1 NS BIT-PERFORMANCE, SIMATIC MEMORY CARD NECESSARY	R 123,000.00
DIGITAL I/O		
6ES7521-1BH00-0AB0	SIMATIC S7-1500, DIGITAL INPUT MODULE DI16 X DC24V	R 3,440.00
6ES7521-1FH00-0AA0	SIMATIC S7-1500, DIGITAL INPUT MODULE DI16 X AC230V	R 3,840.00
6ES7521-1BL00-0AB0	SIMATIC S7-1500, DIGITAL INPUT MODULE DI32 X DC24V	R 5,380.00
6ES7522-1BH00-0AB0	SIMATIC S7-1500, DIGITAL OUTPUT MODULE DQ 16 X 24VDC/0.5A	R 3,650.00
6ES7522-1BL00-0AB0	SIMATIC S7-1500, DIGITAL OUTPUT MODULE DQ 32 X 24VDC/0.5A	R 7,660.00
ANALOG I/O		
6ES7531-7KF00-0AB0	SIMATIC S7-1500, ANALOG INPUT MODULE AI 8 X U/I/RTD/TC, 16 BITS OF RESOLUTION, ACCURACY 0.3 %	R 10,400.00
6ES7531-7NF10-0AB0	SIMATIC S7-1500, ANALOG INPUT MODULE AI 8 X U/I HS, 16 BITS OF RESOLUTION, ACCURACY 0.3 %	R 12,600.00
6ES7532-5HD00-0AB0	SIMATIC S7-1500, ANALOG OUTPUT MODULE AQ 4 X U/I ST; 16 BITS OF RESOLUTION, ACCURACY 0.3 %	R 8,820.00
6ES7532-5HF00-0AB0	SIMATIC S7-1500, ANALOG OUTPUT MODULE AQ 8 X U/I HS 16 BITS OF RESOLUTION, ACCURACY 0.3 %,	R 12,600.00
POWER SUPPLIES		
6ES7505-0KA00-0AB0	SIMATIC S7-1500, SYSTEM POWER SUPPLY PS 25W 24V DC, SUPPLIES THE OPERATING VOLTAGE FOR THE S7-1500 VIA THE BACKPLANE BUS	R 3,550.00
6ES7505-0RA00-0AB0	SIMATIC S7-1500, SYSTEM POWER SUPPLY PS 60W 24/48/60V DC, SUPPLIES THE OPERATING VOLTAGE FOR THE S7-1500 VIA THE BACKPLANE BUS	R 8,840.00
COMMUNICATION		
6ES7541-1AB00-0AB0	CM PTP RS422/485 HF COMMUNICATION MODUL FOR SERIAL CONNECTION RS422, RS485, FREEMPORT, 3964(R), USS, MODBUS RTU MASTER, SLAVE, 115200 KBIT/S	R 15,500.00
6GK7542-5DX00-0XE0	COM MODULE CM 1542-5 FOR CONNECTING S7-1500 TO PROFIBUS DP AS DP-MASTER OR DP-SLAVE: S7- AND PG/OP- COMMUNICATION, CLOCK SYNCHRONISATION, DIAGNOSIS	R 18,300.00
RACKS AND CONNECTORS & MEMORY CARDS		
6ES7590-1AE80-0AA0	MOUNTING RAIL 482 MM (APPR. 19 INCH) INCL. GROUNDING ELEMENT	R 519.00
6ES7590-1AF30-0AA0	MOUNTING RAIL 530 MM (APPR. 13.8 INCH); INCL.GROUNDING ELEMENT,	R 634.00
6ES7590-1AJ30-0AA0	MOUNTING RAIL 830 MM (APPR. 32,7 INCH); INCL. GROUNDING ELEMENT	R 826.00
6ES7592-1AM00-0XB0	FRONTCONNECTOR SCREW-TYPE, 40PIN	R 634.00
6ES7954-8LE02-0AA0	SIMATIC S7, MEMORY CARD FOR S7-1X00 CPU/SINAMICS, 3,3 V FLASH, 12 MBYTE	R 2,820.00
6ES7954-8LF02-0AA0	SIMATIC S7, MEMORY CARD FOR S7-1X00 CPU/SINAMICS, 3,3 V FLASH, 24 MBYTE	R 4,270.00



SIEMENS

PROGRAMMING SOFTWARE



PART NO.	DESCRIPTION	PRICE
6ES7810-2CC03-0YX0	SIMATIC S7, STEP7-MICRO/WIN V4.0, SINGLE LICENSE F.1 INSTALLATION E-SW. S7 200 PLC	R 6,820.00
6ES7810-4CC10-0YA5	SIMATIC S7, STEP7 V5.5, FLOATING LICENSE FOR 1 USER, E-SW, SW AND DOCU. ON	R 32,900.00
6ES7822-0AA03-0YA5	SIMATIC STEP 7 BASIC V13 FLOATING LICENSE; ENGINEERING SOFTWARE IN TIA PORTAL; WINDOWS 7 (32 BIT, 64 BIT), WINDOWS 8 SP1 (64 BIT); FOR CONFIGURATION OF SIMATIC S7-1200 SIMATIC BASIC PANELS	R 6,030.00
6ES7822-1AA03-0YA5	SIMATIC STEP 7 PROFESSIONAL V13 FLOATING LICENSE; ENGINEERING SOFTWARE IN TIA PORTAL; WINDOWS 7 (32 BIT, 64 BIT), WINDOWS 8 SP1 (64 BIT); FOR CONFIGURATION OF SIMATIC S7-1200/1500, SIMATIC S7-300/400/WINAC, SIMATIC BASIC PANELS	R 38,100.00
PROGRAMMING CABLE		
6GK1571-0BA00-0AA0	PC ADAPTER USB A2 USB-ADAPTER (USB V2.0) FOR CONNECTING A PG/PC OR NOTEBOOK TO SIMATIC S7 USB CABLE 5M INCLUDED CAN BE USED UNDER WINXP/VISTA/ WINDOWS 7 32/64BIT	R 6,940.00

KVM SWITCHES - INDUSTRIAL GRADE

KVM EXTENDER - Industrial Grade

The KVM USB Extender is a Keyboard, VGA and mouse extender that can accommodate

- local and/or remote control and
- display functions.

The Sender & Receiver can be up to 300m apart from the other.

The Sender has a local keyboard, VGA and mouse ports that interfaces to the computer.

The receiver has a remote keyboard, VGA and mouse port. The sender and receiver are connected via a single Ethernet Cable. (CAT5, CAT5E or CAT6)

ORDER CODE: UKVM-300H DU (USB)

PRICE: R 1,800.00

Size	110x110x30mm
Weight:	0.55KG
Input connector	HD15PIN (VGA)
Output connector	HD15PIN (VGA)
Local output	HD15PIN (VGA)
Video standard	VGA , SVGA , XGA, SXGA , UXGA , LCD
Cable standard	CAT5 , CAT5E , CAT6 UTP
Power adapter	DC12V/1A - Power supply unit included
Operational temperature	-25 ~+ 70
Deposited temperature	-40 ~+ 80
Relative humidity	0~95% (non-condensing)
MTBF	>30000 hours



USB EXTENDER - Industrial Grade

USB Extender through computer.

Connects up to 70 meters through a single UTP CAT5 cable.

No external power needed. Easy installation.

- Supports USB 1.1 and USB 2.0 protocol
- Supports plug & play for the USB device

ORDER CODE: USB-1801

PRICE: R 330.00



KVM SWITCH - Industrial Grade

The KVM 4 USB switch allows you to access and control 4 DVI enabled USB multimedia computers.

ORDER CODE: KVM 4 USB

PRICE: R 2,950.00



INDUSTRIAL PC



Model / Order code	MP6-126U	MP6-156U	MP6-176U
Price	R 9,500.00	R 10,500.00	R 11,500.00
Operating Software	4HR-00049 FQC-05919	Microsoft Windows 8 Home Basic— 32Bit Microsoft Windows 8 Professional—32Bit	R 1,048.00 R 1,800.00
Display area	TFTLCD 12.1 "	TFTLCD 15.1 "	TFTLCD 17.1"
Resolution	800*600	1024*768	1280*1024
Colour Resolution	262K	16.2M	16.7M
Contrast Radio	250:1	450:1	1000:1
Brightness	150cd/m2	250cd/m2	300cd/m2
Touch Screen	Maple Touch Capacitive Screen (5-point-touch at same time under Windows 7/8)		
VGA Port	DB-15 port	Touch screen Controller	USB/COM (Optional)
DC Adapter	DC12V 5A		
Standard Collocations			
Main board	Intel 1037U	CPU	Intel Celeron Dual core 1.8G
Memory	1x2.5 " SATA II HDD-320G/ SSD-32G	HDD	60G
RS232 Pot	2 UNITS	USB Pot	7 UNITS
Audio interface	AC97 Audio (1 sound input, 1 sound output)	IE1394	2 Units
Network Interface	10/100/1000Mbps high speed Ethernet network (wireless network card optional)		
Operating and Storage Temperature Ranges			
Operation temperature	-10 C° ~ 60 C°	Storage Temperature	-30 C° ~ 80 C°
Others			
Installation	Hanging, Desktop VESA, Mounting Bracket Available for Panel Mount.		
Power Supply	110V ~ 240V AC		
Outline Dimensions	L*W*H (300*246*66)mm	L*W*H (366*286*65)mm	L*W*H (403*300*72)
Weight NET/GW	5.3/6.9kg	6.2/7.6kg	7.0/9.1kg
Panel Mount Kit	12'inch - PMK12 - R800.00	15'inch - PMK15 - R870.00	17'inch - PMK17 - R920.00



COMPUTERS



PART NO.	DESCRIPTION	PRICE
		
T1700	Dell Precision T1700 MT CTO Base , 4th Gen Intel Core i7-4770 Processor (Quad Core HT, 3.40GHz Turbo, 2 off 1TB 3.5inch Serial ATA (7200rpm) Hard Drive, 16GB (4 x 4GB) 1600MHz DDR3 RAM	R 30,850.00
3010MT i3	Optiflex 3010MT i3-3240 (3.4GHz 3MB), 4GB RAM (1x4GB) DDR3 1333MHz, 500GB (7200 rpm) 3.5 inch Serial ATAII 3Gb/s, 16 x DVD+/-RW Drive, USB K/Board & Mouse, Windows 8 Pro (64bit)	R 7,168.75
3020MT i3	Optiflex 3020MT i3-41130 (3.4GHz 3MB), 4GB RAM (1x4GB) DDR3 1600MHz, 500GB (7200 rpm) 3.5 inch Serial ATAII 3Gb/s, 16 x DVD+/-RW Drive, USB K/Board & Mouse, Windows 7 Pro (64bit Win 8 License, Media)	R 7,327.50
3020MT i5	Optiflex 3020MT i5-4750 (3.2GHz 6MB), 4GB RAM (1x4GB) DDR3 1600MHz, 1TB (7200 rpm) 3.5 inch Serial ATAII 3Gb/s, 16 x DVD+/-RW Drive, USB K/Board & Mouse, Windows 7 Pro (64bit Win 8 License, Media)	R 9,458.75
E6540	Notebook, Latitude E6540 Core i5-4300M Processor (Dual Core, 3M Cache, 2.6GHz) 15.6inch Ultra Sharp HD (1920x1080) anti glare LED-backlit with Camera & Mic. 4GB (1x4096) 1600MHz DDR3L Dual Channel, 500GB Solid State Hybrid Drive, Intel HD 4600 graphics, Backlit K/Board WLAN & BT, DVD+/-RW, SAF Qualcomm Gobi 3G DC-HSPA+ 42Mbps WWAN Card (SIM not included), Numeric K/Board, No FPR, Windows7 Pro (64Bit)	R 19,056.25
MON27	Dell LED Monitor, 27 inch P2714H 68.6cm LED VGA DVI, DP (1920x1080) Black SAF	R 9,458.75
3020SFF i5	Optiflex 3020SFF i5-4750 (Quad Core 3.2GHz 6MB with HD Graphics 4600), Small Form factor Chassis, 4GB RAM (1x4GB) DDR3 1600MHz SDRAM, 500GB (7200 rpm) 3.5 inch Serial ATAII 3Gb/s, 8 x Slim line DVD+/-RW Drive, USB K/Board & Mouse, Windows 7 Pro (64bit Win 8 License, Media)	R 10,568.75
R7610	Dell Rack Mount Computer -Dell Precision R7610 CTO Base, Intel Xeon Processor E5-2603 v2 (4 Core HT 1.8GHz 10MB), Windows 7 Pro (64 bit), 4GB (2 x2GB) 1600MHz DDR3 ECC RDIMM, 512MB AMD FirePro 2270 Video Card (DMS59 to 2DVI adapter), 500GB Hard Drive 2.5inch Serial ATA (7200rpm), Integrated LSI 2308 SATA/SAS controller, 6Gb/s RAID 0/1/10 (6 ports), USB Dell Optical Mouse, 8x Slimline DVD+/-RW, Rack Mounting Rails	R 32,737.50
R520	Dell Rack Mount Computer - Dell PowerEdge R520 TPM, Intel Xeon Processor E5-2407 (4 Core 2.2GHz 10MB), Additional Intel Xeon E5-2407 (4 Core 2.2GHz, 10MB), On Board Broadcom 5720 Dual Port 1GBE, Windows Server 2008 R2 SP1, Standard Edition incl. 5 CALs (64 bit), 4GB (2 x2GB) 1600MHz DDR3 ECC RDIMM, 512MB AMD FirePro 2270 Video Card (DMS59 to 2DVI adapter), 1TB Hard Drive 3.5inch Serial ATA (7200rpm), 8GB RDIMM, 1600MHz, 8x DVD+/-RW, Redundant Power Supply 750W, Integrated LSI 2308 SATA/SAS controller, 6Gb/s RAID 0/1/10 (6 ports), USB Dell Optical Mouse, 8x Slimline DVD+/-RW, Rack Mounting Rails	R 49,362.50
MON20	Dell LED Monitor 20 inch E2014H LED VGA DVI DP (1600x900) Black	R 1,712.50
MON21.5	Dell LED Monitor 21.5 inch E2214H LED VGA DVI DP (1920x1080) Black	R 2,312.50



COMPUTERS



PART NO.	DESCRIPTION	PRICE
HP Pro 600 i3	HP PRODESK TWR 600 G1 INTEL CORE I3-4130 3.4G, 4GB DDR3-1600, 500GB 7200 RPM ,SUPERMULTI ODD, WIN 8 PRO 64 DG WIN 7 PRO 64-BIT, SB K+M	R 9,761.25
HP Pro 600 i3	HP PRODESK SFF 600 G1 INTEL CORE I3-4130, 4GB DDR3-1600, 500GB 7200 RPM ,SUPERMULTI ODD, WIN 8 PRO 64 DG WIN 7 PRO 64-BIT, USB K+M,	R 9,348.75
HP Z230 i5	HP WORKSTATION - Z230 INTEL i5-4570 3.2 GHZ, 8GB DDR3-1600 (2X4GB) 1TB 7200 RPM 1ST HARD DRIVE, K+M, INTEL HD GRAPHICS P4600, WIN 8 DOWNGRADE TO WIN 7 PRO 64 BIT	R 12,511.25
HP ELITE i7	HP DESKTOP ELITEDESK TWR 800 G1 INTEL CORE i7-4770 3.4G 8M HD 4600 4GB DDR3-1600 500GB 7200 RPM ,SUPERMULTI ODD WIN 8.1 PRO 64 TO WIN 7 PRO 64-BIT, USB K+M	R 14,161.25
HP Z230 i7	HP WORKSTATION - Z230 INTEL i7-4770 3.4 GHZ 8GB DDR3-1600 (2X4GB) 1TB 7200 RPM 1ST HARD DRIVE NVIDIA QUADRO K2000 2GB DL-DVI(I)+DP+DP WINDOWS 8	R 20,073.75
HP Z230 XEON	HP WORKSTATION - Z230 INTEL XEON E3-1245V3 3.4 GHZ 8GB DDR3-1600 (2X4GB), 1TB 7200 RPM 1ST HARD DRIVE INTEL HD GRAPHICS P4600 WIN 8 DOWNGRADE TO WIN 7 PRO 64 BIT	R 15,261.25
HP Server		
HP ProLiant Server	HP PROLIANT DL360E GEN8 E5-2403V2 (1.8GHZ/4-CORE/10MB/80W) 4X4GB (16GB) 12800R V2 1600MHZ (RDIMM) 2 X HP 500GB 6G SATA 7.2K 2.5IN (OS) 2 X HP 1TB 6G SATA 7.2K 2.5IN (DATA) SMART ARRAY B320I *INCL SAS LIC ETHERNET 1GB 4-PORT 366I DUAL 460W CS GOLD,	R 77,748.75
HP MON	HP MONITOR - W1972A 18.5" LED	R 1,473.75
SOFTWARE		
WINSERV2012R2	Windows Server 2012 R2, Standard Edition - ROK Kit (No CALs)	R 10,475.00
CALs	5 Pack of Windows Server 2012 User CALs (standard)	R 2,291.25
OFF2013HB	Office Home & Business 2013 DVD - FPP	R 2,748.75
WINSERV2012R2	Windows Server 2012 R2, Standard Edition - ROK Kit (No CALs)	R 13,623.75
CALs	5 Pack of Windows Server 2012 User CALs (standard)	R 2,598.75



INDUSTRIAL MONITOR



Features

- The Aluminium front panel meets IP65 standards for tough working environments
- Optional RS-232 interface touch screen
- Robust chassis and retention kit structure for shock and vibration requirement
- Brightness Over 300cd/m² and 50000hrs MTBF long lifetime panel
- Analog VGA interface supports most general system boards
- M models support 9~36V DC power input for mobile application

PART NO.	DESCRIPTION	PRICE
Display Monitor - 17"inch		
DM-170GS/R-R20	17" 350cd/m ² SXGA LCD monitor, Aluminium front panel, Silver colour W/RS-232 and USB Touch screen, R30, RoHS (IP65)	R 9,950.00
DM-170GMS/R-R21	17" 350cd/m ² SXGA LCD monitor, Aluminium front panel, Silver colour W/RS-232 and USB Touch screen, 9~36V DC input, R30, RoHS (IP65)	R 10,500.00
Display Monitor - 19"inch		
DM-190GS/R-R21	19" 350cd/m ² SXGA LCD monitor, Aluminium front panel, Silver colour W/RS-232 and USB Touch screen, R30, RoHS (IP65)	R 11,350.00
DM-190GMS/R-R22	19" 350cd/m ² SXGA LCD monitor, Aluminium front panel, Silver colour W/RS-232 and USB Touch screen, 9~36V DC input, R30, RoHS (IP65)	R 11,950.00

Package Includes:

- AC power cable
- VGA cable
- User manual
- 1 Touch pen
- 60W AC power adapter
- 36W AC power adapter
- Power cable for terminal block
- Touch screen RS-232 Cable / USB Cable / Driver CDROM



INDUSTRIAL COMPUTER



Full spec sheets
available for
download:
www.age.co.za

PART NO.	DESCRIPTION	PRICE
ECW-281BWDW-R10/D2550/2GB	Fan less embedded system with WAFER-CV-D25501, with dual core Intel® Atom™ D2550 1.86G, built-in 802.11 b/g/n 2T2R wireless module, 4 serial ports, with 2GB DDR3 pre-installed SO-DIMM memory, 9~36VDC in, 60W power adapter, black, RoHS. NO HDD	R 8,580.00
72200-WD3200LPVX-RS	2.5" HDD; 2.5"; WD3200LPVX; WD; SATA3(6.0Gb/s); 320GB; 5400RPM BUFFER SIZE: 8MB; CCL; RoHS	R 2,277.00
LKM-9278GBC-EN-R20	17" LCD Monitor / Keyboard / Mouse / Speaker / KVMA Switch 5-in-1 1U Height Drawer. Colour: Black, Language: English 24VDC power input module	R 14,500.00



INDUSTRIAL KEYBOARD & MOUSE



ORDER CODE	DESCRIPTION	PRICE
*SK308	Silicone Keyboard with touchpad and keypad Industrial keyboard with touchpad, rigid and rugged, waterproof and washable, made of silicone. Key layout: 104 keys + 12 function keys, Dimensions: 346(L) x 136(W) x 12(T) mm, Touch pad: 63 x 47 mm, Protection level: IP68, with USB port	R 995.00
AS-110	Rack mount Keyboard Drawer - Standard PS/2 or USB Keyboard connector, Integrated mouse touchpad, Easy installation onto any 19" rack mount, Tray depth 450mm front mount, Lockable	R 950.00
SM502	Silicone Mouse Water and chemical-resistant, Sealed in silicone, Durable, Weight: 85g, Dimensions: 90 x 55 x 20mm, Cable length: 1.83m, Operating temperature: 0C up to 70C (32F up to 158F), Resistance: IP 67 with USB port	R 450.00



ORDER CODE	DESCRIPTION	PRICE
*MKB-F86-TB	Desk Mount - Stainless steel keyboard with trackball - USB port	R 3,950.00
*MKB-F86-TP	Desk Mount - Stainless steel keyboard with touchpad - USB port	R 3,950.00
*KMY299B	Panel Mount - Stainless steel keyboard with trackball - USB port	R 3,650.00
*KMY299D-T	Panel Mount - Stainless steel keyboard with touchpad - USB port	R 3,650.00
MTB-38-DT-B	Desktop Metal Trackball - USB port	R 2,050.00

NOTE: * PREFERRED STOCK ITEM



HMI



Compatible with most major PLC brands

Ethernet

Com 1/3

USB slave

USB master



ORDER CODE	PRICE	INCH	COLOUR	RESOLUTION	DIMENSIONS W x H x D mm	PANEL CUT OUT W x H mm	MEMORY (SDRAM)
PT043	R 5,950.00	4.3"	65k	800 x 480	130 x 106.2 x 37 mm	118.5 x 92.5 mm	32MB
PT070	R 9,750.00	7"	65k	800 x 480	188 x 143.3 x 40 mm	175 x 132.5 mm	64MB
PT100	R 16,250.00	10"	65k	1024 x 600	269.8 x 212 x 38 mm	258.5 x 200.8 mm	64MB
PT150	R 31,950.00	15"	65k	1024 x 768	399.1 x 297.6 x 62.6 mm	384.5 x 283 mm	64MB

Communication Interface	COM1	RS-232/422/485 (DB9 Female)	CPU	RISC 32bits, 200MHz
	COM2	RS-232/485 (5-Pins Plug Connector)	Operating System	HMI RTOS, PM Designer Software
	COM3	RS232 in COM1 pin 7,8	Touch screen	4 wires Analog resistive
	Ethernet (RJ45)	10/100-BaseT	Power Supply Voltage	24VDC
I/O's	USB Client	Yes x1	Operating Temperature	0 ~ 50°C
	USB Host	Yes x1	Warranty	2 Years
	Micro-SD Slot	Yes x1		





SOFTWARE



PART NO.	DESCRIPTION	PRICE
Unity Pro Small (S)		
UNYSPUSFUCD80	UNITY PRO S SINGLE LIC	R 9,883.44
Unity Pro Large (L)		
UNYSPULFUCD80	UNITY PRO L SINGLE LIC	R 45,426.30
Unity Pro Xtra Large (XL)		
UNYSPUEFUCD80	UNITY PRO XL SINGLE LIC	R 61,323.12
Unity Pro Xtra Large Safety (XLS)		
UNYSPUXFUCD70	UNITY PRO XLS SINGLE LIC	R 95,242.06
Vijeo Designer, Configuration Software		
VJDSUDTGAV61M	Vijeo Designer, Single License, USB cable	R 9,704.03

HMI



XBTN400



XBTZ945

PART NO.	DESCRIPTION	PRICE
HMI GTO RANGE - OPTIMUN ADVANCED TOUCH SCREEN PANELS		
HMIGTO1310	3.5 Color Touch Panel QVGA-TFT	R 6,176.43
HMIGTO2310	5.7 Color Touch Panel QVGA-TFT	R 10,613.53
HMIGTO3510	7.0 Color Touch Panel WVGA-TFT	R 13,122.52
HMIGTO5315	10.4 Color Touch Panel VGA Stainless	R 30,896.75
HMIGTO6315	12.1 Color Touch Panel SVGA Stainless - MAGELIS XBT-N COMPACT TEXT DISPLAY	R 38,133.86
XBTN400	DISPLAY 4X20 - MAGELIS GT/GK, XBTN/R/T OPTIONAL ACCESSORIES AND CABLES	R 4,238.22
XBTZ945	CONFIGURATION CABLE	R 858.43

HMI



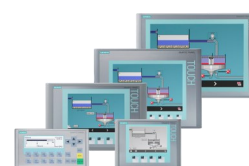
PART NO.	DESCRIPTION	PRICE
2711P-K4C20D	PVP 400 COLOUR KEY RS232/ ENET DC, PANEL VIEW PLUS 4"inch COLOUR KEYPAD DISPLAY	R 8,820.00
2711P-T6C20D	PV Plus 6"inch COLOUR, TOUCH, ETHERNET, DC PS, Incl. RS232 & USB, 32MB FLASH /64MB RAM	R 18,900.00
2711P-T7C4D9	Graphic Terminal, PANEL VIEW Plus 6, 7"inch TOUCH SCREEN, COLOUR, DC, ETHERNET, RS232, Extended Capabilities	R 27,300.00
2711P-T10C4D9	Graphic Terminal, PANEL VIEW Plus 6, 10"inch TOUCH SCREEN, COLOUR, DC, ETHERNET, RS232, Extended Capabilities	R 35,700.00
2711P-T15C4D9	Graphic Terminal, PANEL VIEW Plus 6, 15"inch TOUCH SCREEN, COLOUR, DC, ETHERNET, RS232, Extended Capabilities	R 52,500.00
9701-VWSTENE	SOFTWARE - RSVIEW Studio for RSVIEW Enterprise	R 22,900.00



SIEMENS

HMI

PART NO.	DESCRIPTION	PRICE
BASIC PANELS		
6AV2123-2DB03-0AX0	SIMATIC HMI, KTP400 BASIC, BASIC PANEL, KEY AND TOUCH OPERATION, 4" TFT DISPLAY, 65536 COLORS, PROFINET INTERFACE, CONFIGURATION FROM WINCC BASIC V13/ STEP7 BASIC V13, CONTAINS OPEN SOURCE SW WHICH IS PROVIDED FREE OF CHARGE FOR DETAILS SEE CD	R 6 450.00
6AV2123-2GB03-0AX0	SIMATIC HMI, KTP700 BASIC, BASIC PANEL, KEY AND TOUCH OPERATION, 7" TFT DISPLAY, 65536 COLORS, PROFINET INTERFACE, CONFIGURATION FROM WINCC BASIC V13/ STEP7 BASIC V13, CONTAINS OPEN SOURCE SW WHICH IS PROVIDED FREE OF CHARGE FOR DETAILS SEE CD	R 11 700.00
6AV2123-2JB03-0AX0	SIMATIC HMI, KTP900 BASIC, BASIC PANEL, KEY AND TOUCH OPERATION, 9" TFT DISPLAY, 65536 COLORS, PROFINET INTERFACE, CONFIGURATION FROM WINCC BASIC V13/ STEP7 BASIC V13, CONTAINS OPEN SOURCE SW WHICH IS PROVIDED FREE OF CHARGE FOR DETAILS SEE CD	R 20 500.00
NEW COMFORT PANELS		
6AV2124-0GC01-0AX0	SIMATIC HMI TP700 COMFORT, COMFORT PANEL, TOUCH OPERATION, 7" WIDESCREEN-TFT-DISPLAY, 16 MIL. COLORS, PROFINET INTERFACE, MPI/PROFIBUS DP INTERFACE, 12 MB USER MEMORY, WINDOWS CE 6.0, CONFIGURABLE FROM WINCC COMFORT V11	R 19 600.00
6AV2124-0JC01-0AX0	SIMATIC HMI TP900 COMFORT, COMFORT PANEL, TOUCH OPERATION, 9" WIDESCREEN-TFT-DISPLAY, 16 MIL. COLORS, PROFINET INTERFACE, MPI/PROFIBUS DP INTERFACE, 12 MB USER MEMORY, WINDOWS CE 6.0, CONFIGURABLE FROM WINCC COMFORT V11	R 33 700.00
6AV2124-0MC01-0AX0	SIMATIC HMI TP1200 COMFORT, COMFORT PANEL, TOUCH OPERATION, 12" WIDESCREEN-TFT-DISPLAY, 16 MIL. COLORS, PROFINET INTERFACE, MPI/PROFIBUS DP INTERFACE, 12 MB USER MEMORY, WINDOWS CE 6.0, CONFIGURABLE FROM WINCC COMFORT V11	R 43 600.00
6AV6643-0CD01-1AX1	MP 277 10" TOUCH MULTI PANEL W. RETENTIVE MEMORY 10,4" TFT DISPLAY 6 MB USER MEMORY CONFIG: WINCC FLEXIBLE 2005 STANDARD SP1	R 52,500.00
6AV6644-0AB01-2AX0	MP 377 15" TOUCH MULTI PANEL, WINDOWS CE 5.0 15" COLOUR-TFT-DISPLAY 12 MB USER MEMORY CONFIGURABLE FROM WINCC FLEXIBLE 2007	R 79,900.00
HMI CONFIGURATION SOFTWARE		
6AV2100-0AA03-0AA5	SIMATIC WINCC BASIC V13 ENGINEERING SOFTWARE IN TIA PORTAL; FLOATING LICENSE; SOFTWARE AND DOCUMENTATION ON DVD; LICENSE KEY ON USB-STICK; CLASS A; 6 LANGUAGES: GE,EN,IT,FR,SP,CH; EXECUTABLE UNDER WINDOWS 7 (32 BIT, 64 BIT), WINDOWS 8.1 (64 BIT), WINSRV 2012 R2 (64 BIT); FOR CONFIGURATION OF SIMATIC BASIC PANELS	R 1 890.00
6AV2101-0AA03-0AA5	SIMATIC WINCC COMFORT V13 ENGINEERING SOFTWARE IN TIA PORTAL; FLOATING LICENSE; SOFTWARE AND DOCUMENTATION ON DVD; LICENSE KEY ON USB-STICK; CLASS A; 6 LANGUAGES: GE,EN,IT,FR,SP,CH; EXECUTABLE UNDER WINDOWS 7 (32 BIT, 64 BIT), WINDOWS 8.1 (64 BIT), WINSRV 2008/2012 R2 (64 BIT); FOR CONFIGURATION OF SIMATIC PANELS	R 13 300.00





UPS



PSS

 Preferred Systems Solutions, Inc.		1000 VA		2000 VA		3000 VA	
	ORDER CODE	M910C		M920C		M930C	
	PRICE	R 3,056.47		R 5,456.47		R 5,910.59	
	LOAD (WATT)	700	500	700	500	700	500
	RUNTIME (MIN)	10min	15min	20min	30min	30min	45min

APC

 by Schneider Electric	ORDER CODE	SURT1000XLI			SURTD3000XLI	
	PRICE	R 8,913.44			R 23,052.00	
	BATTERY PACK	SURT48XLBP			SURT192XLBP	
	PRICE	R 5,590.11			R 9,912.36	
	LOAD (WATT)	700	500		700	500
	RUNTIME (MIN)	14min	21min		54min	76min
	+ BATTERY (TOTAL MIN)	69min	98min		187min	263min

TESCOM APEX RANGE

Range of line interactive UPS, Compact size, Auto restart with off-mode charging, Cold start option, Generator compatible

	ORDER CODE	DESCRIPTION	PRICE
	APEX1000	Tescom Apex 1000VA Line Interactive, 2 x 12v 7ah Internal, 5 to 15 Minutes	R 815.00
	APEX2000	Tescom Apex 2000VA Line Interactive, 2 x 12v 9ah Internal	R 2,120.00

TESCOM OPTIMA On Line Rack Mount Standard Run Time

Microprocessor-based parallel online design with a pure sine wave output, Rack tower design with multiple communication

	ORDER CODE	DESCRIPTION	PRICE
	OTIMA-1100	1100RM 2U, 1100VA, 2 x 12v 9ah Internal, 10 to 15 Minutes	R 4,180.00
	OTIMA-2000	2200RM 2U, 2200VA, 4 x 12v 7ah Internal, 10 to 15 Minutes	R 5,720.00
	OTIMA-3000	3300RM 2U, 3300VA, 6 x 12v 9ah Internal, 10 to 15 Minutes	R 7,425.00

TESCOM SSPRO On Line Long Back Up Time

Pure sine wave output, Microprocessor-based parallel online topology, Adjustable voltage sensitivity, Generator compatible. Network manageable

	ORDER CODE	DESCRIPTION	PRICE
	SSPRO+1000-1	1000VA, 3 x 12v 26ah, 60 Minutes	R 6,385.00
	SSPRO+2000-1	2200VA, 6 x 12v 65ah, 240 Minutes	R 13,865.00
	SSPRO+3000-1	3000VA, 6 x 12v 100ah, 240 Minutes	R 16,985.00



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2.2 kW	R 7,700.00
4 kW	R 8,800.00
7.5 kW	R 12,500.00
15 kW	R 18,300.00
22 kW	R 28,500.00
37 kW	R 54,000.00
55 kW	R 71,000.00
75 kW	R 84,000.00
90 kW	R 93,000.00
110 kW	R 108,000.00
132 kW	R 142,000.00

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- Communication Modules
- Encoder Modules
- Line & Motor Chokes



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SOFT STARTER SOLUTIONS

MCC STYLE 3.3kV, 6.6kV, 11kV

Applications: Pumps, Fans, Compressors,
Variable torque loads

Features: Integrated bypass contactor, bypass
mode, power consumption meter (kWh),
remote control via Modbus communication,
fault annunciation, stall protection, current
limit 450%, can be containerized

TYPICAL PRICING

	kW motor	6.6kV
80A	750	R 137,000.00
120A	1100	R 203,000.00
200A	1800	R 344,000.00
250A	2300	R 429,000.00
330A	3000	R 567,000.00
420A	4000	R 724,000.00
550A	5200	R 948,000.00
630A	6000	R 1,086,000.00



SOFT STARTER



TRANSFORMER

RESIN CAST TRANSFORMERS

up to 20,000 kVA

Specifications:

Rated Powers up to 20,000 kVA
Rated Frequency 50 Hz or 60 Hz
Rated Primary Voltage up to 36 kV
Rated Secondary Voltage up to 24 kV
Conductor Material AL or CU
Insulation indoor use IP23
Cooling system "AN" (Air Natural)
Vector groups Delta or Star
Screen windings - Insulation class F- F
Ambient 40 Deg C
Altitude 1000m
Temperature rise 100 Deg C
Three phase Temperature controller
Enclosures optional
Fan cooling optional

Features:

Zero Oil
Compact &
Light
No fire Hazard
Safe, Non
Toxic

TYPICAL PRICING

500kVA	R 240,000.00
1000kVA	R 315,000.00
5000kVA	R 950,000.00
10,000kVA	R 1,810,000.00

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GEFRAN" AC VARIABLE SPEED DRIVES

Ratings from 1.0 KW up to 1500 kW
Voltages from 220 up to 690V
Non regenerative or Full regenerative
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Open IP 23 or in Cabinets IP44
Input or Output chokes available
Communication cards available
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Braking Resistors available
I/O Expansion cards available

TYPICAL PRICING ON AC DRIVES 690 Volt

30 kW	R 31,000.00
To 1800 kW	R 1,200,000.00



GEFRAN" DC VARIABLE SPEED DRIVES

Ratings from 20A up to 8800A DC
Voltages from 220V up to 1000V DC
2 Quadrant or 4 Quadrant operation
6 pulse or 12 Pulse operation
Parallel or Series operation
Open IP 23 or in Cabinets IP44
Input chokes available
Communication cards available
Encoder feed back cards available
I/O Expansion cards available

TYPICAL PRICING ON DC DRIVES 700 Volt

25A	R 26,500.00
To 4400A	R 1,100,000.00



MEDIUM VOLTAGE DRIVE SYSTEMS

Voltages 3.3kV - 6.6kV - 11.0 kV
This General Purpose MV AC Variable Speed Drive
system rated for up to 10 MW of power on
voltages up to 11 kV.
The drive is suitable for use with existing or new
ac motors. The flux vector control system
provides stable and accurate torque and speed
control with large energy saving potential. Ideal
for use with Pumps - Fans - Compressors -



ELECTRIC MOTORS

	SPECS			DESCRIPTION	TYPICAL PRICING
	MODEL	TYPE & POWER RANGE	FRAME & VOLTAGE		
1. 	1. LVSQIM	ACSQIM 355 - 1600 kW	355 - 630 380V - 690V	Squirrel cage induction motor Constant kW Variable Torque motor Enclosure IP 54 - IP 55 Cooling Natural Speeds 2P - 12P	AC MOTORS TYPE YJP 380V-690V 55 kW 6 pole YJP 180 R 75,000.00 to 2000kW 6 POLE YJP 800 R 1,550,000.00
2. 				Squirrel cage induction motor Constant kW Variable Torque motor Enclosure IP 23 - IP 44 - IP 54 Cooling IP IC01 - IC81 Speeds 2P - 24P Insulation class F, Optional H	
3. 	2. MVSQIM	ACSQIM 220 - 12000 kW	355 - 1100 3.3KV - 11KV	Wound Rotor induction motor Enclosure IP 44 - IP 55 Speeds 4P - 10P Insulation class F, Optional H	
4. 	3. LVWR	ACWRIM 4.0kW - 800 kW	132 - 450 380V - 690V	Wound Rotor induction motor Enclosure IPO - IP44 Cooling IP IC01 - IC81 Speeds 4P - 10P Insulation class F, Optional H	
5. 	4. HVWR	ACWRIM 220kW - 2500kW	355 - 1000 3.3KV - 11KV	Constant Torque Variable / Slow speed applications Selected on basis of Torque Enclosure IPO - IP 23 - IP44 Cooling IP IC01 -IC 06 - IC81 Speeds 4P - 10P Insulation class F, Optional H	
6. 	5. YJP	ACSQIM 15 kW - 1500 kW	80 - 800 380V -690V	OPTIONS: Encoders AC Chokes Tachogenerators DC Choke Heaters Braking Resistors Temp monitors Braking Choppers	
7. 	6.	15- - 400 kW	80 - 400 400v -600V	Compact DC Motors Enclosure IPO - IP 23 - IP44 Cooling IP IC01 -IC 06 - IC81 Speeds 400- 1500 Insulation class F, Optional H	DC Motor type Z Voltages 400V - 1000V 55 kW Frame Z225 1000 RPM R 86,000.00 to 2000 kW Frame Z800 1000RPM R 1,400,000.
8. 	7.	355 kW - 2500 kW	355 - 1000 400-1000V	Larger DC Motors Enclosure IPO - IP 23 - IP44 Cooling IP IC01 -IC 06 - IC81 Speeds 300-2000 Insulation class F, Optional H	
	8.	355kW - 5000kW	3.3kv -11kv	Large Motors Enclosure IPO - IP 23 - IP44 Cooling IP IC01 -IC 06 - IC81 Speeds 6P - 14P Insulation class F, Optional H Power Factor 1.0 - leading PF Energy saving solution	Other sizes and rating to those above available on application



POWER QUALITY METERS



 	PART NO.	DESCRIPTION	PRICE
	BILLING METERS		
	ZxD405CT44.2407	LANDIS & GYR BILLING METER*	R 3,982.36
	ACCESSORIES		
	P42	P42 (GSM/GPRS , RS485/CS+) FOR REMOTE ACCESS	R 3,293.51
	B2	B2 (RS485, RS485) FOR METER NETWORKING	R 1,254.67
	E22	E22 ETHERNET MODULE	R 2,091.13
 	ENERGY METERS		
	BASIC METERING		
	METSEPM3255	PM3255 POWER METER W COMMS, 500KB LOG	R 3,438.55
	A9MEM3155	iEM3155 63A ENERGY/POWER METER W COMMS	R 3,092.47
	A9MEM3255	iEM3255 ENERGY/POWER METER W COMMS	R 2,974.42
	METSEPM5560	PM5560 POWER METER W RS485 & ETH COMMS	R 10,239.60
	PM710MG	BAS.VERSION+RS485 MODBUS COMMS	R 6,090.54
	MID RANGE METERING		
	PM820MG	PM820 P/METER W HARM.ALAR,80KB	R 12,385.76
	PM850MG	PM850 P/METER W HARM.ALARM 800KB	R 21,780.29

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**Rockwell
Automation**

As a technology based company driven by a pioneering spirit which is strengthened by the ability to be independent and innovative, AGE has a legacy of delivering customer specific solutions throughout Sub Saharan Africa and Arabia.

ABB

Mission

To provide Power, Energy and Control system solutions and products to meet our customer requirements and objectives by operating the company on a sound financial basis of profitable growth, increasing value for our shareholders, and creating career opportunities and financial rewards for our employees.

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AGE aims to become the preferred supplier/partner for total solutions to our customers with a focus on Value, Quality and Functionality. We will continue supporting strong partnerships with the industry's key suppliers to integrate the most efficient solutions to meet our customer's needs. Our vision is to operate a safe and environmentally friendly company that can provide excellence in expertise, service and solutions throughout Africa. AGE provides training, support and maintenance thus ensuring engineering expertise throughout Africa.

Wonderware

SIEMENS

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AGE is a company with a wealth of expertise and local support strengthened by the ability to be independent and innovative. We are also authorized suppliers for a number of major industrial automation product manufacturers and therefore are able to integrate the most efficient solutions to meet our client's specifications. This flexibility means we are able to take advantage of innovative technologies and incorporate them into our engineered solutions.

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Management
System



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