

Company Catalogue



For all your Metering needs



smartprocess

control & instrumentation

Smart Process & Control LTD has been at the forefront of MID metering in the UK since 2012. We have invested heavily in innovating the next generation products with our manufacturing partner. We sell anything from Basic check meters to complex remote monitoring systems, single phase, three phase, din rail or panel mounted along with Current Transformers, Enclosures and other accessories for these products. Smart Process holds an abundance of stock in our warehouse ready to offer you the best solution for energy monitoring.

We are a family run business that aims to be the most trusted metering supplier in the industry. Having spent the last decade building the Eastron brand within the UK and Europe, Smart Process is proud to be awarded sole UK distributor for Eastron. Working closely with the European distributors, we are able to offer our customers industry leading customer service and supply using any resource at our disposal. With a continuous supply line of new technology and innovations from Eastron's next generation manufacturing facility we are able to dominate the market space with advancements in technology and after care.

Our Team

We have over 25 years of experience in the metering market (Specialising in electrical energy monitoring). This has allowed us to create a fantastic range of products that we can offer to you at industry-leading quality and great value. We strive to be the most trusted metering brand, in order to do this we give our buyers the best possible service and advice to achieve their needs within our products. We have partnered with a reputable courier meaning that we can provide a Next Day, 1-hour timeslot delivery service.



sales@smartprocess.co.uk











www.smartprocess.co.uk



01268 773422

Single Phase Meters

(SDM120 Series)

									
	EASTRON SDM120A-MID	EASTRON SDM120D-MID	EASTRON SDM120DB-MID	EASTRON SDM120M	EASTRON SDM120-MOD-MID	EASTRON SDM120-MBUS-MID	EASTRON SDM120-CT-MOD- MID	EASTRON SDM120-CT-MBUS- MID	EASTRON SDM120-CT-PULSE
Mounting Type	Din-Rail	Din-Rail	Din-Rail	Din-Rail	Din-Rail	Din-Rail	Din-Rail	Din-Rail	Din-Rail
Communication Type	Pulsed Output	Pulsed Output	Pulsed Output	Modbus and Dual Pulsed Output	Modbus And Dual Pulsed Outputs	Mbus And Dual Pulsed Output	Modbus And Dual Pulsed Output	Mbus and Dual Pulsed Output	Dual Pulsed Output
Din Modules Size	1-DIN Module	1-DIN Module	1-DIN Module	1-DIN Module	1-DIN Module	1-DIN Module	1-DIN Module	1-DIN Module	1-DIN Module
Display Type	Analouge Display	Digital Display	Highly Visible Backlit Display	Highly Visible Backlit Display	Highly Visible Backlit Display	Highly Visible Backlit Display	Highly Visible Backlit Display	Highly Visible Backlit Display	Highly Visible Backlit Display
Voltage Input	230V	230V	230V	230V	230V	230V	230V	230V	230V
Phase Input	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase
Connecton Type	45A Direct Connected	45A Direct Connected	45A Direct Connected	45A Direct Connected	45A Direct Connected	45A Direct Connected	Up to 600A CT Operated	Up to 600A CT Operated	Up to 600A CT Operated

Single Phase Meters (SDM18 & SDM230 Series)

							
	EASTRON SDM18-MOD-MID	EASTRON SDM18-MBUS-MID	EASTRON SDM230DR-MID	EASTRON SDM230-MOD-MID	EASTRON SDM230-MBUS-MID	EASTRON SDM230-2T-MID	EASTRON SDM230-LORAWAN-MID
Mounting Type	Din-Rail	Din-Rail	Din-Rail	Din-Rail	Din-Rail	Din-Rail	Din-Rail
Communication Type	Modbus And Pulsed Output	Mbus And Pulsed Output	Dual Pulsed Outputs	Modbus And Dual Pulsed Outputs	Mbus And Dual Pulsed Outputs	Modbus And Dual Pulsed Outputs	Lorawan, Dual Pulsed Outputs
Din Modules Size	1-DIN Module	1-DIN Module	2-DIN Module	2-DIN Module	2-DIN Module	2-DIN Module	2-DIN Module
Display Type	Highly Visible Backlit Display	Highly Visible Backlit Display	Highly Visible Backlit Display	Highly Visible Backlit Display	Highly Visible Backlit Display	Highly Visible Backlit Display	Highly Visible Backlit Display
Voltage Input	230V	230V	230V	230V	230V	230V	230V
Phase Input	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase
Connecton Type	100A Direct Connected	100A Direct Connected	100A Direct Connected	100A Direct Connected	100A Direct Connected	100A Direct Connected	100A Direct Connected

Three Phase Meters (SDM72D Series)

Three Phase Meters (SDM54 Series)

Three Phase Meters (SDM630 100a Series)

						
	EASTRON SDM72D-MID	EASTRON SDM72D-M-MID	EASTRON SDM72CT-M	EASTRON SDM54-MOD-MID	EASTRON SDM630-MOD-MID	EASTRON SDM630-MBUS-MID
Mounting Type	Din-Rail	Din-Rail	Din-Rail	Din-Rail	Din-Rail	Din-Rail
Communication Type	Dual Pulsed Output	Modbus And Dual Pulsed Output	Modbus And Fixed Pulsed Output	Modbus And Dual Pulsed Outputs	Modbus And Dual Pulsed Outputs	Mbus And Dual Pulsed Outputs
Din Modules Size	4-DIN Module	4-DIN Module	4-DIN Module	4-DIN Module	4-DIN Module	4-DIN Module
Display Type	Liquid Crystal Display	Liquid Crystal Display	Liquid Crystal Display	Highly Visible Backlit Display	Highly Visible Backlit Display	Highly Visible Backlit Display
Voltage Input	400V +/- 20%	400V +/- 20%	400V	230/400V	230/400V	230/400V
Phase Input	Three Phase	Three Phase	Three Phase	Single Phase or Three Phase	Single Phase or Three Phase	Single Phase or Three Phase
Connecton Type	100A Direct Connected	100A Direct Connected	CT Operated	100A Direct Connected	100A Direct Connected	100A Direct Connected



Three Phase Meters (SDM630-MCT Series)

						
	EASTRON SDM630MCTE-MID	EASTRON SDM630MCT-MOD-NON MID	EASTRON SDM630MCT-MOD-MID	EASTRON SDM630MCT-MBUS-MID	EASTRON SDM630MCT-MV	EASTRON SDM630MCT-LORAWAN-MID
Mounting Type	Din-Rail	Din-Rail	Din-Rail	Din-Rail	Din-Rail	Din-Rail
Communication Type	Modbus And Dual Pulsed Outputs	Modbus And Dual Pulsed Outputs	Modbus And Dual Pulsed Outputs	Mbus And Dual Pulsed Outputs	Modbus And Dual Pulsed Outputs	Lorawan, Dual Pulsed Outputs
Din Modules Size	4-DIN Module	4-DIN Module	4-DIN Module	4-DIN Module	4-DIN Module	4-DIN Module
Display Type	Highly Visible Backlit Display	Highly Visible Backlit Display	Highly Visible Backlit Display	Highly Visible Backlit Display	Highly Visible Backlit Display	Highly Visible Backlit Display
Voltage Input	230/400V	230/400V	230/400V	230/400V	230/400V	230/400V
Phase Input	Single Phase or Three Phase	Single Phase or Three Phase	Single Phase or Three Phase	Single Phase or Three Phase	Single Phase or Three Phase	Single Phase or Three Phase
Connecton Type	CT Operated	CT Operated	CT Operated	CT Operated	CT Operated	CT Operated

Three Phase Meters

(SDM630MCT-ML-RTU Series)



EASTRON
SDM630MCT-1L-MID



EASTRON
SDM630MCT-2L-MID



EASTRON
SDM630MCT-3L-MID



EASTRON
SDM630MCT-4L-MID

Mounting Type	Din-Rail	Din-Rail	Din-Rail	Din-Rail
Communication Type	Modbus RTU And Dual Pulsed Outputs	Modbus RTU And Dual Pulsed Outputs	Modbus RTU And Dual Pulsed Outputs	Modbus RTU And Dual Pulsed Outputs
Din Modules Size	4-DIN Module	4-DIN Module	4-DIN Module	4-DIN Module
Display Type	Highly Visible Backlit Display	Highly Visible Backlit Display	Highly Visible Backlit Display	Highly Visible Backlit Display
Voltage Input	230/400V	230/400V	230/400V	230/400V
Phase Input	1 x Three Phase, or 3 x single phases	2 x Three Phases, or 6 x single phases	3 x Three Phases, or 9 x single phases	4 x Three Phases, or 12 x single phases
Connecton Type	RJ12 plug and play, Easyclick Solution	RJ12 plug and play, Easyclick Solution	RJ12 plug and play, Easyclick Solution	RJ12 plug and play, Easyclick Solution

Three Phase Meters

(SDM630MCT-ML-TCP Series)



EASTRON
SDM630MCT-1L-MID-TCP



EASTRON
SDM630MCT-2L-MID-TCP



EASTRON
SDM630MCT-3L-MID-TCP



EASTRON
SDM630MCT-4L-MID-TCP

Mounting Type	Din-Rail	Din-Rail	Din-Rail	Din-Rail
Communication Type	Modbus TCP And Dual Pulsed Outputs	Modbus TCP And Dual Pulsed Outputs	Modbus TCP And Dual Pulsed Outputs	Mbus TCP And Dual Pulsed Outputs
Din Modules Size	4-DIN Module	4-DIN Module	4-DIN Module	4-DIN Module
Display Type	Highly Visible Backlit Display	Highly Visible Backlit Display	Highly Visible Backlit Display	Highly Visible Backlit Display
Voltage Input	230/400V	230/400V	230/400V	230/400V
Phase Input	1 x Three Phase, or 3 x single phases	2 x Three Phases, or 6 x single phases	3 x Three Phases, or 9 x single phases	4 x Three Phases, or 12 x single phases
Connecton Type	RJ12 plug and play, Easyclick Solution	RJ12 plug and play, Easyclick Solution	RJ12 plug and play, Easyclick Solution	RJ12 plug and play, Easyclick Solution

Three Phase Meters

(Smart X96 Panel Series)



EASTRON
SMART X96-5-MID



EASTRON
SMART X96-5E-MID



EASTRON
SMART X96-1-MID



EASTRON
SMART X96-1E-MID

Mounting Type	Panel Mounted	Panel Mounted	Panel Mounted	Panel Mounted
Communication Type	Modbus And Dual Pulsed Outputs	Modbus and Dual Pulsed outputs	Modbus And Dual Pulsed Outputs	Modbus And Dual Pulsed Outputs
Display Type	Highly Visible Backlit Display	Highly Visible Backlit Display	Highly Visible Backlit Display	Highly Visible Backlit Display
Voltage Input	276/480V	276/480V	276/480V	276/480V
Phase Input	Single Phase or Three Phase	Single Phase or Three Phase	Single Phase or Three Phase	Single Phase or Three Phase
Connecton Type	CT Operated	CT Operated	CT Operated	CT Operated
CT Input	Wired input or quick connected plugs	Wired input or quick connected plugs	RJ12 plug and play, Easyclick Solution	RJ12 plug and play, Easyclick Solution

Current Transformers

(Single Phase Solid Core)

					
	CROMPTON XL0A TAPE WOUND	CROMPTON XL0A TAPE WOUND	CROMPTON XL1B	CROMPTON XL2A	CROMPTON XL2C
Mounting Type	DIN Rail or Free Stand	DIN Rail or Free Stand	DIN Rail or Free Stand	DIN Rail or Free Stand	DIN Rail or Free Stand
Phase Input	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase
Accuracy Class	1 or 3	1 or 3	0.5, 1 or 3	0.5, 1 or 3	0.5, 1 or 3
Primary Current	1-30A	1-60A	50-400A	40-300A	20-600A
Secondary Current	5A	5A	5A	5A	5A
Aperture	Cable Input	Cable Input	21mm	14mm	26mm
CT Type	Solid Core	Solid Core	Solid Core	Solid Core	Solid Core

Current Transformers

(Single Phase Solid Core)

					
	CROMPTON XL3D	CROMPTON XL4D	CROMPTON XL7B	CROMPTON XL10B	SMART PROCESS & CONTROL LTD CT132
Mounting Type	DIN Rail or Free Stand	DIN Rail or Free Stand	DIN Rail or Free Stand	DIN Rail or Free Stand	DIN Rail or Free Stand
Phase Input	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase
Accuracy Class	0.5, 1 or 3	0.5, 1 or 3	0.5, 1 or 3	0.5, 1 or 3	0.5, 1 or 3
Primary Current	100-800A	100-1000A	200-2000A	1000-75000A	40-300A
Secondary Current	5A	5A	5A	5A	5A
Aperture	31mm	31mm	65mm	167 x 66mm	21mm
CT Type	Solid Core	Solid Core	Solid Core	Solid Core	Solid Core

Current Transformers

(Single Phase Split Core)



EASTRON
TU16 MINIATURE



EASTRON
T24 MINIATURE



EASTRON
T36 MINIATURE



EASTRON
T24 MINIATURE
(MILIVOLT VERSION)








EASTRON
T36 MINIATURE
(MILIVOLT VERSION)

Mounting Type	DIN Rail or Free Stand	DIN Rail or Free Stand	DIN Rail or Free Stand	DIN Rail or Free Stand	DIN Rail or Free Stand
Phase Input	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase
Accuracy Class	1	1	1	1	1
Primary Current	120A	100-300A	100-300A	300-600A	300-600A
Secondary Current	0.333mV	5A	5A	0.333mV	0.333mV
Aperture	16mm	24mm	36mm	24mm	36mm
CT Type	Split Core	Split Core	Split Core	Split Core	Split Core

Current Transformers

(Single Phase Split Core)

					
	CROMPTON SC1	CROMPTON SC2	CROMPTON SC3	CROMPTON SC4	CROMPTON SC5
Mounting Type	DIN Rail or Free Stand	DIN Rail or Free Stand	DIN Rail or Free Stand	DIN Rail or Free Stand	DIN Rail or Free Stand
Phase Input	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase
Accuracy Class	0.5	0.5	0.5	0.5	0.5
Primary Current	100-250A	250-800A	600-800A	1000-1600A	2000-3000A
Secondary Current	5A	5A	5A	5A	5A
Aperture	20x30mm	50x80mm	80x80mm	80x120mm	80x160mm
CT Type	Split Core	Split Core	Split Core	Split Core	Split Core

Current Transformers

(Single Phase Split Core)



EASTRON
ESCT-TA10



EASTRON
ESCT-TA16




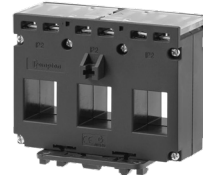
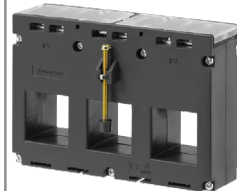
EASTRON
ESCT-TA24



EASTRON
ESCT-TA36

Mounting Type	DIN Rail or Free Stand	DIN Rail or Free Stand	DIN Rail or Free Stand	DIN Rail or Free Stand
Phase Input	Single Phase	Single Phase	Single Phase	Single Phase
Accuracy Class	1	1	1	1
Primary Current	5A-75A	5A-200A	10A-300A	20A-600A
Secondary Current	100MA	100MA	100MA	100MA
Aperture	10mm	16mm	24mm	36mm
CT Type	Split Core	Split Core	Split Core	Split Core



Current Transformers (Three Phase Solid Core)

			
	CROMPTON M3N1-25	CROMPTON M3N1-35	CROMPTON M3N1-45
Mounting Type	DIN Rail or Free Stand	DIN Rail or Free Stand	DIN Rail or Free Stand
Phase Input	Three Phase	Three Phase	Three Phase
Accuracy Class	0.5, 1 or 3	0.5, 1 or 3	0.5, 1 or 3
Primary Current	60-160A	100-250A	250-600A
Secondary Current	5A	5A	5A
Aperture	14.5mm x 24.5mm	20.5mm x 24.5mm	30.5mm
CT Type	Solid Core	Solid Core	Solid Core


ESCT-RJ Range (EasyClick CTs)

				
	EASTRON ESCT-RJ325	EASTRON ESCT-RJ335	EASTRON ESCT-RJ345	EASTRON ESCT-RJ370
Mounting Type	DIN Rail or Free Stand	DIN Rail or Free Stand	DIN Rail or Free Stand	DIN Rail or Free Stand
Phase Input	Three Phase	Three Phase	Three Phase	Three Phase
Accuracy Class	0.5	0.5	0.5	0.5
Primary Current	60-200A	60-250A	250-630A	600-1600A
Secondary Current	0.1A	0.1A	0.1A	0.1A
Aperture	25mm	35mm	45mm	70mm
CT Type	Solid Core	Solid Core	Solid Core	Solid Core


Remote Monitoring

		
	DS800-64 DATASTREAM METER DATA LOGGER PACK	DS800-32 DATASTREAM METER DATA LOGGER PACK
Mounting Type	Din Rail	Din Rail
Datalogger Access	Ethernet or sim card	Ethernet or sim card
Input Type	8 x Pulse inputs or Modbus RTU & IP communications	8 x Pulse inputs or Modbus RTU & IP communications
Data Available Via	email (csv file) / Online Portal	email (csv file) / Online Portal
Channels (Available Data Points)	64	32

Modbus Wifi Bridge

	
	Smart Process ESMB1
Operation	Plug & Play
Modbus Slaves	Up to 24
Supply	9-36v DC Supply
data network	Transparent
Security Encryption	128 Bit

Rogowski Integrator Kit

	
	ACCUENERGY RO-GOWSKI INTEGRATOR KIT RIK16/24/36/47
Rogowski Size	16/24/36/47 Inches
Current Measurement Range	2.5A - 60000A
Phase Input	Single or Three Phase
Configurable CT Ratios	500A, 1kA, 2.5kA, 5kA, 10kA, 25kA, 50kA.
Frequency	50/60Hz

Din Rail Enclosures

					
	ABB Enclosure Spacers 12 Pack	EN2MBT 2 MODULE ENCLOSURE	EUROPA-ECW4-ENC	ABB MISTRAL	EUROPA-ECW5-ENC
Din Module Size	N/A	2 Module	4 Module	4 Module	5 Module
					
	EUROPA-ECW6-ENC	EUROPA-ECW8-ENC	ABB MISTRAL	EUROPA-ECW12-ENC	ABB MISTRAL
Din Module Size	6 Module	8 Module	8 Module	12 Module	12 Module




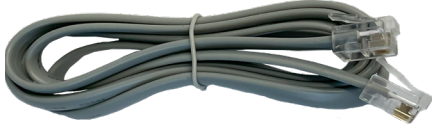
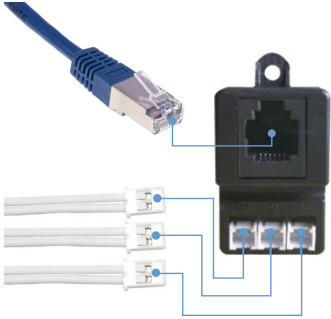

Din Rail Enclosures

				
	EUROPA-ECW18-ENC	ABB MISTRAL	EUROPA-ECW24-ENC	ABB MISTRAL
Din Module Size	18 Module	18 Module	24 Module	24 Module
				
	ABB MISTRAL	ABB MISTRAL	ABB MISTRAL	ABB MISTRAL
Din Module Size	36 Module	48 Module	54 Module	72 Module

Controllers

							
	VOLTAGE SENSING RE-LAY MG21DH	MULTIFUNCTION ELECTRONIC TIMER 1CMDTO	VOLTAGE SENSING RE-LAY MG73BH	ASTRONOMICAL TIME SWITCH T2DDT7	PHASE FAILURE RELAY MA51BC	WT1SCDS CHRONO TIME SWITCH	BYTRONIC BY10600 PULSE-TO-MODBUS
Mounting Type	Din rail	Din rail	Din rail	Din rail	Din rail	Din rail	Din rail
Phase Input	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase
Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Time On Delay	5 s	2 s	5 s	-	2 s	-	-
Max Power Consumption	3.5 VA	2 VA	5 VA	6 VA	15 VA	6 VA	2 VA
Display Type	LED Indication	LED Indication	LED Indication	Display 3 Lines Text LCD	LED Indication	Liquid Crystal Display	LED Indication
Voltage Input	208 - 480V AC	12 - 240V AC/DC	240V AC	110 - 240V AC	415V AC	240 V AC	230 V AC

Accessories

			
RJ12 Cable 1M straight Single Phase Black	RJ12CABLE-1SW 1.5 Meters, Straight Cable, 3ph	RJ12 ADAPTOR CRJ31	DIN RAIL TO PANEL CONVERSION KIT



smartprocess
control & instrumentation

Sales

Scott Saunders

01268 773422 EXT 303

sales@smartprocess.co.uk

Enquiries

Veronica Lawless

01268 773422 EXT 300

enquiry@smartprocess.co.uk

Accounts

Shella Makan

01268 773422 EXT 314

accounts@smartprocess.co.uk

