



### FEATURES

TRMS Measurement	Auto Scroll / Manual Scroll Display (Programmable)
10 Parameters, 50 values on 34 pages	Energy Import - Export (4 Quadrant Operation)
POWER MASTER Software (Optional)	Energy Retention
RS485 Port, 5KV Isolated with MODBUS RTU (Optional)	Password Protected Energy Reset Programmable Facility
Programmable CTR, PTR, Instrument Address, Password & Energy Reset	CE Compliance with EN61010-1, EN61326-1
Inbuilt Memory to store CTR, PTR, Instrument Address & Password	



### SPECIFICATIONS

Display	LCD With Back light
Digit Height	0.47" / 12 mm
Connection	3 Ph 2E 3W/3Ph 3E 4W (User Selectable)
Dimensions (mm)	96 x 96 x 55
Panel Cut Out	92 <sup>(+0.8,-0.0)</sup> x 92 <sup>(+0.8,-0.0)</sup> , 43mm Depth (Behind Bezel / Panel)
Terminals / Connectors	Tin Plated Brass Terminals and Screws
Case / Housing Material	DIN Grey ABS, Dimension as per DIN 43700
Mounting	Panel Mounting
Mounting Clamps	Sturdy, Moulded Delrin
Dielectric Strength	2.5kV at 50Hz for 1min.
Insulation Resistance	>20MΩ at 500V DC
Installation Category	Cat III (IEC / EN 61010-1)
Pollution	Degree 2 (IEC/EN 61010-1)
Auxiliary Supply	85-265V AC / DC (Standard) 19-90V AC / DC (Optional)

### SPECIFICATIONS

Input Current	0.03A to 1.2A (Max.) 0.11A to 6A (Max.)	Any One
Input Voltage	51-300V AC (Max.) PH-N 88-519V AC (Max.) PH-PH 16-138V AC (Max.) PH-N 28-239V AC (Max.) PH-PH	Any One
Frequency	45 - 55 Hz	
Power Factor	0.3 (Lag) - 1 - 0.3 (Lead)	
VA (Burden)		
Auxiliary	< 3 VA	
Voltage Input	< 0.3 VA / Phase	
Current Input	< 0.2 VA / Phase	
Environment		
Calibration	27°C ± 5°C	
Operating	0 to +50°C, RH < 70%	
Storage	-10 to +60°C, RH < 70%	

Parameters Measured	Accuracy ±(% FS)	Phase	System
Voltage		V1N, V2N, V3N, V12, V23, V31	V (System)
Current	± 0.5%	I1, I2, I3	I (Average)
Active Power		W1, W2, W3	W (System)
Reactive Power	± 1.0%	VAR1, VAR2, VAR3	VAR (System)
Apparent Power		VA1, VA2, VA3	VA (System)
Frequency	± 0.2Hz	N.A.	Hz (System)
Power Factor	± 1° Electrical	PF1, PF2, PF3	PF (System)
Active Energy		KWh1, KWh2, KWh3	KWh Total (Import), KWh Total (Export)
Reactive Energy	Class 1	KVARh1, KVARh2, KVARh3	KVARh Total (Ind.), KVARh Total (Cap.)
Apparent Energy		KVAh1, KVAh2, KVAh3	KVAh Total

Ordering Information : Model, Input Voltage, Input Current, Auxiliary Supply & RS485 MODBUS Communication Port (Optional), RS485-RS232 Converter (Optional)

### TERMINAL CONNECTION

