



**FEATURES**

TRMS Measurement	Built in 20 Energy Meters of 8 Digit Resolution
23 Parameter on 46 pages	Energy Retention & Password Protected Energy Reset Facility
POWER MASTER Software (Optional)	Max. Demand for KW or KVA with user Selectable Demand
RS485 Port, 5KV Isolated with MODBUS RTU (Optional)	Interval 5-30 Minutes
Programmable CTR, PTR, Instrument Address,	THD for Voltage and Current
Password & MD Period	Run Hours, ON Hours
Inbuilt Memory to store CTR, PTR, Instrument Address,	Phase Angle & Phasor Angle Measurement
Password & MD Period	Display Previous Energies
Password for Protection of Programmable Parameters	Set Date & Time
Auto Scroll (5 Sec.)/ Manual Scroll Display	Measurement of Min. & Max. Voltage & Current Values
Energy Import-Export (4 Quadrant Operation)	CE Compliance with EN61010-1, EN61326-1



**SPECIFICATIONS**

<b>Display</b>	Super Bright LED Display of 4 Row, 4 Digit Resolution
<b>Digit Height</b>	0.36" / 9.2 mm
<b>Connection</b>	3 Ph 2E 3W / 3 Ph 3E 4W (User Selectable)
<b>Dimensions (mm)</b>	96 x 96 x 100
<b>Panel Cut Out</b>	92 <sup>(+0.8,-0.0)</sup> x 92 <sup>(+0.8,-0.0)</sup> , 90mm Depth (Behind Bezel / Panel)
<b>Terminal Block</b>	Plug In Type (UL94V-0)
<b>Case / Housing Material</b>	DIN Grey ABS, Dimension as per DIN 43700
<b>Mounting</b>	Panel Mounting
<b>Mounting Clamps</b>	Sturdy, Moulded Delrin
<b>Dielectric Strength</b>	2.5kV at 50Hz for 1min.
<b>Insulation Resistance</b>	>20MΩ at 500V DC
<b>Installation Category</b>	Cat III (IEC/EN 61010-1)
<b>Pollution</b>	Degree 2 (IEC/EN 61010-1)
<b>Environment</b>	
<b>Calibration</b>	27°C ± 5°C
<b>Operating</b>	0 to +50°C, RH < 70%
<b>Storage</b>	-10 to +60°C, RH < 70%

**SPECIFICATIONS**

<b>Auxiliary Supply</b>	85-265V AC / DC (Standard) 19-90V AC / DC (Optional)	
<b>Input Current</b>	0.050A to 1.2A (Max.) 0.250A to 6A (Max.)	Any One
<b>Input Voltage</b>	51-300V AC (Max.) PH-N 88-519V AC (Max.) PH-PH 17-138V AC (Max.) PH-N 30-239V AC (Max.) PH-PH	Any One
<b>Frequency</b>	45 - 65 Hz	
<b>Power Factor</b>	0.3 (Lag) - 1 - 0.3 (Lead)	
<b>VA (Burden)</b>		
<b>Auxiliary</b>	< 2.5 VA	
<b>Voltage Input</b>	< 0.3 VA / Phase	
<b>Current Input</b>	< 0.2 VA / Phase	

Parameters Measured	Accuracy ±(FS +5Digit)	Phase	System
Voltage	± 0.5%	V1N, V2N, V3N, V12, V23, V31	V (System)
Current	± 0.5%	I1, I2, I3, NI	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)
Maximum Demand	± 0.5%	W1, W2, W3, VA1, VA2, VA3	W (System), VA (System)
THD	± 5%	V1, V2, V3, I1, I2, I3	N.A.
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
Phase Angle	N.A.	V1V2, V1V3, V1I1, V2I2, V3I3	N.A.

Ordering Information : Model, Input Voltage, Input Current and RS485 MODBUS Communication (Optional), RS485-RS232 Converter (Optional)

**TERMINAL CONNECTION**

