



FEATURES

- State of Art Microcontroller Based Design.
- 2 Solid state Relay Out Put configurable for cutoff / Alarm setting of any Parameter.
- Site Programmable CT & PT Ratio.
- True RMS measurement.
- Auto Scrolling Facility.
- Password protection
- EEprom retains Energy Parameters on power fail.
- Monitors Import & Export Energy.
- Computer Interface (RS 485)
- Pulse Output for PLC / SCADA interface
- Optional: Data Logging of all Parameters with Date & Time stamp (site programmable logging time interval).

PARAMETERS

- ✓ Volts : L - L, L - N (Per Phase & Avg.)
- ✓ Amps : Per Phase & summation
- ✓ Frequency : System
- ✓ Power Factor : Per Phase & Avg
- ✓ KW : Per Phase & Summation
- ✓ KVA : Per Phase & Summation
- ✓ KVAr : Per Phase & Summation
- ✓ KWh : Import, Export & Summation
- ✓ KVArh : Capacitive & Inductive
- ✓ KVAh : Total
- ✓ Harmonics : Volts, Amps & THD
- ✓ Max. Demand : KVA / KW

ADVANTAGES

- To caution on the Extra Energy Consumption
- To identify inefficiency of Machine / Man
- Reduce Panel Space, Wiring , Installation Time
- Scale User adjustable reduces inventory

APPLICATION

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|----------------------|-------------------------|
| Control Panel | Test Bench |
| Distribution Systems | APFC Panel |
| Generator Sets | Energy Management |
| Motor Control | Process Control & SCADA |

SPECIFICATION

System	: 3 Phase 4 Wire / 3 Phase 3 Wire / 1 Phase
Aux. Supply	: 90 - 270 VAC, 50/60 Hz / DC
Burden on Aux.	: < 4 VA
Voltage Input	: 110 / 415 / 440 VAC (L - L)500Vmax
Current Input	: 1 Amps / 5 Amps
Burden on CT	: < 0.2 VA
Communication	: RS485 (Modbus - RTU Protocol) 9600 baud
Temp	: 0 - 55°C
Humidity	: < 95% RH (non condensing)
Weight	: 400 gms

Accuracy :	
Voltage	: 0.5 %
Current	: 0.5 %
Active Power	: Class1.0 IEC 61036
Reactive Power	: Class1.0 IEC 61036
Apparent Power	: Class1.0 IEC 61036
Power Factor	: ± 1° Electrical
Active Energy	: Class1.0 IEC 61036
Reactive Energy	: Class1.0 IEC 61036
Frequency	: ± 0.2 Hz

Dimension : 96 x 96mm
Depth (behind bezzel) : 80 mm
Panel Cut out : 92 x 92 mm

Other Products Manufactured



Panel Meter



Engine PU



CT



Transducer



Temperature



UV/OV/PR



Timer


 Earth Leakage
 Relay & CBCT
