



POWER ANALYZER

Model HI 80

FEATURES

- State of Art Microcontroller Based Design.
- 4 Line Ultra Bright Red LED display to show phase wise & System Parameters on same page.
- 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

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

- | | |
|----------------------|-------------------------|
| 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	Accuracy	: Voltage	: 0.5 % of F.S. \pm 2 Digit
Aux. Supply	: 230V / 110 VAC 50Hz (-20% +15%)		: Current	: 0.5 % of F.S. \pm 2 Digit
Burden on Aux.	: < 4 VA		: Active Power	: Class1.0 IEC 61036
Voltage Input	: 110 / 415 / 440 VAC (L - L)500Vmax		: Reactive Power	: Class1.0 IEC 61036
Current Input	: 1 Amps / 5 Amps		: Apparent Power	: Class1.0 IEC 61036
Burden on CT	: < 0.2 VA		: Power Factor	: \pm 1 ^o Electrical
Communication	: RS485 (Modbus - RTU Protocol) 9600 baud		: Active Energy	: Class1.0 IEC 61036
Temp	: 0 - 55 ^o C		: Reactive Energy	: Class1.0 IEC 61268
Humidity	: < 90% RH (non condensing)		: Frequency	: \pm 0.2 Hz
Weight	: 700 gms	Dimension	: 96 x 96mm	
			: Depth (behind bezel) : 80 mm	
			: Panel Cut out : 92 x 92 mm	

POWER ANALYZER Plus

Model HI 80P

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
- ✓ THD : Volts & Amps
- ✓ Max. Demand : KVA / KW

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APPLICATION

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Generator Sets	Energy Management
Motor Control	Process Control & SCADA

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