



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 indentify 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 ⁰ Electrical |
| Communication | : RS485 (Modbus - RTU Protocol) 9600 baud | | : Active Energy | : Class1.0 IEC 61036 |
| Temp | : 0 - 55 ⁰ 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 bezzel) | : 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

ADVANTAGES

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APPLICATION

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| Control Panel | Test Bench |
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| Current Input | : 1 Amps / 5 Amps | | : Apparent Power | : Class1.0 IEC 61036 |
| Burden on CT | : < 0.2 VA | | : Power Factor | : ± 1° Electrical |
| Communication | : RS485 (Modbus - RTU Protocol) 9600 baud | | : Active Energy | : Class1.0 IEC 61036 |
| Temp | : 0 - 55° C | | : Reactive Energy | : Class1.0 IEC 61036 |
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