

Features:

- ▶ Suitable for 1 Phase & 3 phase measurement
- ▶ 2 Solid state Relay Out Put configurable for cut off
- ▶ setting of any Parameter to give Alarm
- ▶ Rugged portable casing
- ▶ Clamp on CT's
- ▶ 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) optically isolated
- ▶ Inbuilt Data Logger for storing all Parameters
 - with Date & Time stamp for long duration
 - Audit without manual intervention / operation



Advantages:

- ▶ To caution on the Extra Energy Consumption
- ▶ To identify inefficiency of Machine/Man
- ▶ Reduce Panel Space, Wiring, Installation Time

Applications:

- ▶ Control Panel
- ▶ Distribution System
- ▶ Generator sets
- ▶ Motor Control
- ▶ Test Bench
- ▶ Energy Management
- ▶ Process Control & SCADA

Measured parameters

- ▶ VL-L (Individual/Average)
- ▶ VL-N (Individual/Average)
- ▶ Current (Individual/Average)
- ▶ Frequency
- ▶ Power Factor (Individual/System)
- ▶ Power (kW, kVA, kWh)
- ▶ Maximum Demand (Import/Export)
- ▶ Peak Maximum Demand (Import/Export)
- ▶ Active Energy (Import/Export)
- ▶ Reactive Energy - Inductive (Import/Export)
- ▶ Reactive Energy - Capacitive (Import/Export)
- ▶ Apparent Energy (Import/Export)
- ▶ Total Harmonic Distortion upto 31st order (Volts/Amps)
- ▶ Load Hour Timer (Import/Export)
- ▶ ON Hour Timer

Supply Specifications:

Auxiliary Voltage	90-270 V AC/DC ($\pm 15\%$)
Supply Frequency	50-60 Hz

Input Specifications

Electrical Connection	3Ø-4 wire/1Ø-2 wire
Input Voltage Range	0-500 VAC (L-L)/0-300V (L-N)
Input Current Range	0.015A-6A AC Direct 60A optional
Frequency	45-65 Hz
Resolution	▶ Energy 0.1 kWh ▶ Power factor: 0.001 ▶ Frequency: 0.01 Hz ▶ Voltage: Autoranging ▶ Current: Autoranging ▶ Power: Autoranging
Accuracy	▶ Voltage $\pm 0.5\%$ of F.S. ▶ Current $\pm 0.5\%$ of F.S. ▶ Power Factor $\pm 0.5\%$ of F.S. ▶ Frequency $\pm 0.1\%$ of F.S. ▶ Power (Active, Reactive and Apparent): 1% ▶ Energy (Active, Reactive and Apparent): Class 1
Burden	Voltage: 0.2 VA max. per input Current: 0.2 VA max. per input Aux. supply: 3 VA max.

Display

Display	4 rows of 4 digits (For parameter) LED display
Digit Height	0.39" (9.9mm)
Display Scrolling	Automatic/Manual

Settable Parameters

C.T. Primary	1/5A to 10000A (Programmable)
C.T. Secondary	1/5A (Programmable)
P.T. Ratio	Programmable upto 132 kV
Display Reset	Energy

Environmental Specifications

Temperature	Operating : -10° to 55°C Storage : -20° to 75°C
Humidity	< 95% RH

Ordering Information

Ordering Code	Description
VIPS 82	Energy Audit Supervisor