

Features:

- ▶ LCD display with backlight
- ▶ Site Programmable CT and PT ratio (Primary and Secondary)
- ▶ True RMS measurement
- ▶ Password Protection
- ▶ RS485 computer interface (optional)
- ▶ Harmonic measurement (THD V & I)
- ▶ Universal Auxiliary supply
- ▶ Displays all electrical parameters phase wise

**Advantages:**

- ▶ Energy Management System
- ▶ To caution on the Extra Energy Consumption
- ▶ CT Ratio Site Programmable reduces inventory

Applications:

- ▶ Distribution System
- ▶ Generator Sets

Measuring Parameters

- ▶ Active Energy / Reactive Energy (Cap & Ind) / Apparent Energy
- ▶ Voltage (L-L)
- ▶ Voltage (L-N)
- ▶ Current (line)
- ▶ Power factor (phase)
- ▶ Power (Active, Reactive and Apparent)
- ▶ Frequency (System)
- ▶ Total Harmonic Distortion (Phase wise) : Voltage and current
- ▶ Load hour

Supply Voltage

| | |
|------------------|---------------|
| Auxiliary Supply | 90-270V AC/DC |
| Frequency | 50-60 Hz |

Display

| | |
|-------------------|--|
| Display | 2 rows, LCD 1 row, 10 digits LCD display for energy 1 row of 4 digits for other parameters |
| 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 |

Mechanical Specifications

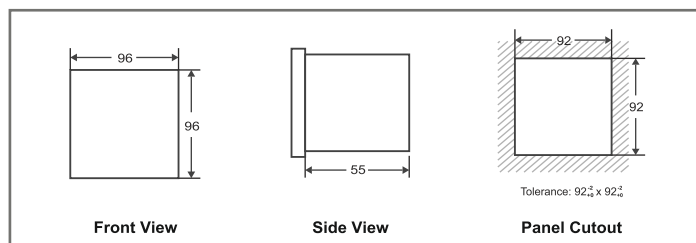
| | |
|--------------------|---------------------------------|
| Mounting | Flush Mounting with Side Clamps |
| Weight | 300 g |
| Enclosure Material | ABS Thermoplastic |

Input Specifications

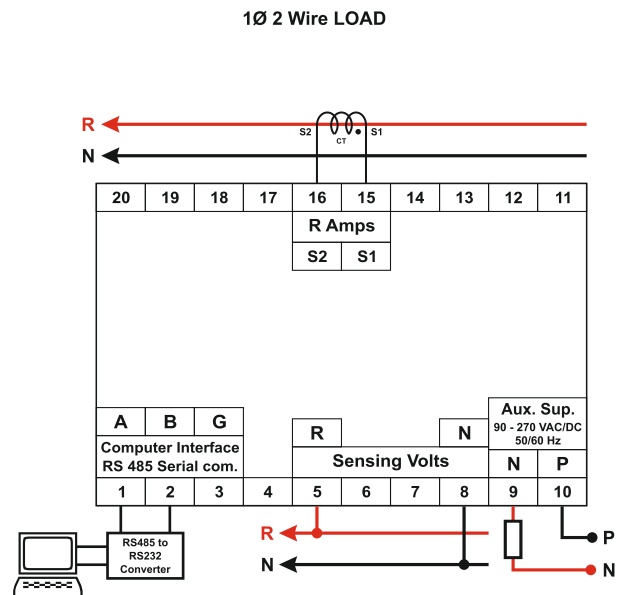
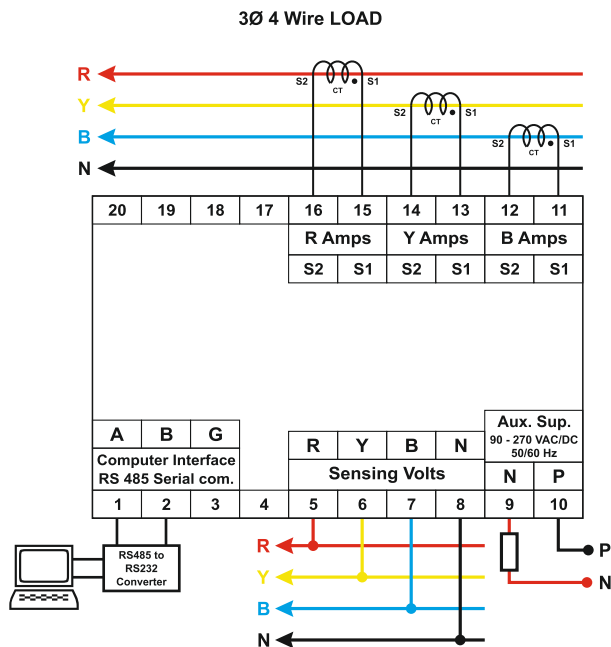
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|-----------------------|--|
| Electrical Connection | 3Ø-4 wire / 1Ø-2 wire |
| Input Voltage Range | 0-500V AC (L-L) |
| Input Current Range | 0.015A-6A AC / Direct 60A (Optional) |
| Frequency | 45-65 Hz |
| Resolution | <ul style="list-style-type: none"> ▶ Energy 0.1 kWh ▶ Power factor : 0.001 ▶ Frequency : 0.01 Hz ▶ Voltage : Autoranging ▶ Current : Autoranging ▶ Power : Autoranging ▶ Current ±0.5% of F.S. ▶ Power Factor ±0.5% of F.S. ▶ Frequency ±0.1% of F.S. ▶ Power (Active & Apparent) Class - 0.5 ▶ Power (Reactive) class - 2.0 ▶ Energy (Active & Apparent) Class 0.5s ▶ Energy (Reactive) Class 2 (Class 2 as per IEC 62053-23 at 5A nominal) for 1A nominal when I > 0.15 A) |

Accuracy**Burden****Output Specifications**

| | |
|---------------|------------------|
| Communication | RS485 (optional) |
|---------------|------------------|


Dimension

Connection Diagram



Ordering Information

| Ordering Code | Current Rating | Comm. RS485 |
|---------------------|------------------------------------|-------------|
| VIPS 84L | 0-5A, CT programmable | |
| VIPS 84L-60A-3P-N | 0-60A, external CT for 3 phase (N) | |
| VIPS 84L-C | 0-5A, CT programmable | ✓ |
| VIPS 84L-C-60A-3P-N | 0-60A, external CT for 3 phase (N) | ✓ |

| Accessories | | |
|---|--------|---|
| Description | Code | Photo |
| for external CT of 60A programmed for three phase | 60A-3P |  |

| Accessories | |
|---|---|
| The above module to be supplied with 1 meter long Leads | N |