

Features:

- ▶ Ultra bright LED display
- ▶ Site Programmable CT and PT ratio (Primary and Secondary)
- ▶ Password protection
- ▶ 60A direct current (External CT module available)
- ▶ Harmonic measurement (Total & Individual)
- ▶ Auto ranging
- ▶ Universal Auxiliary supply
- ▶ LOAD hour
- ▶ RPM (Generator Application)
- ▶ Auto / manual Scroll



Advantages:

- ▶ Reduce panel space, wiring and installation time
- ▶ Scale User adjustable reduces inventory

Applications:

- ▶ Control Panel
- ▶ Distribution System
- ▶ Generator sets
- ▶ Motor Control
- ▶ Test Bench

Measuring Parameters

- ▶ V_{L-L} (Individual/Average)
- ▶ V_{L-N} (Individual/Average)
- ▶ Current (Individual/Average)
- ▶ Power factor (Individual/Average)
- ▶ Active power (Individual/Average)
- ▶ Reactive power (Individual/Average)
- ▶ Frequency
- ▶ Load hour
- ▶ RPM

Supply Voltage

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

Display

Display	3 rows, 3 digits, 7 segment LED Display
Digit Height	0.56" (14.3mm)
Display Scrolling	Automatic/Manual

Settable Parameters

C.T. primary	1/5A to 5000A (Programmable)
C.T. Secondary	1/5A (Programmable)
P.T. Ratio	Programmable upto 132 kV
Display Reset	Energy

Input Specifications

Electrical Connection	VIPS 83P : 3 \emptyset -4 wire/1 \emptyset -2 wire VIPS 83P1 : 1 \emptyset -2 wire
Input Voltage Range	0-500V AC (L-L)
Input Current Range	0.05A-6A AC/60A DC (Optional)
Frequency	45-65 Hz
Resolution	0.1 Hz for frequency (Auto Ranging for other parameters)
Accuracy	<ul style="list-style-type: none"> ▶ Voltage $\pm 1\%$ of F.S. ▶ Current $\pm 1\%$ of F.S. ▶ Active Power $\pm 1\%$ of F.S. ▶ Apparent Power $\pm 1\%$ of F.S. ▶ Frequency 0.1% of full scale for deflection ▶ Power Factor ± 2 for electrical degrees
Burden	Voltage: 0.2 VA max. per input Current: 0.2 VA max. per input Aux. supply: 3 VA max.

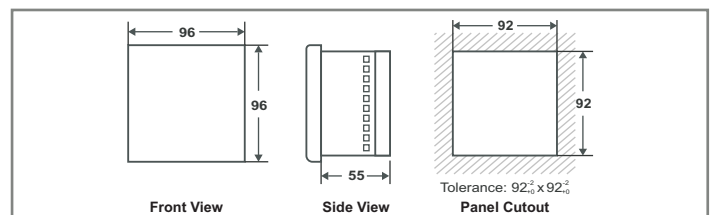
Environmental Specifications

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

Mechanical Specifications

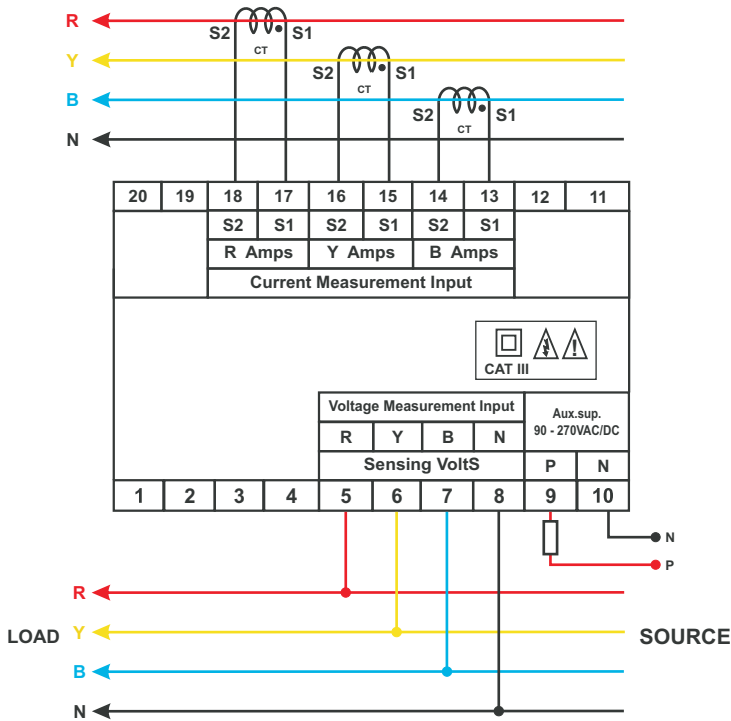
Mounting	Flush Mounting with Side Clamps
Weight	280 gms
Enclosure Material	ABS Thermoplastic

Dimension

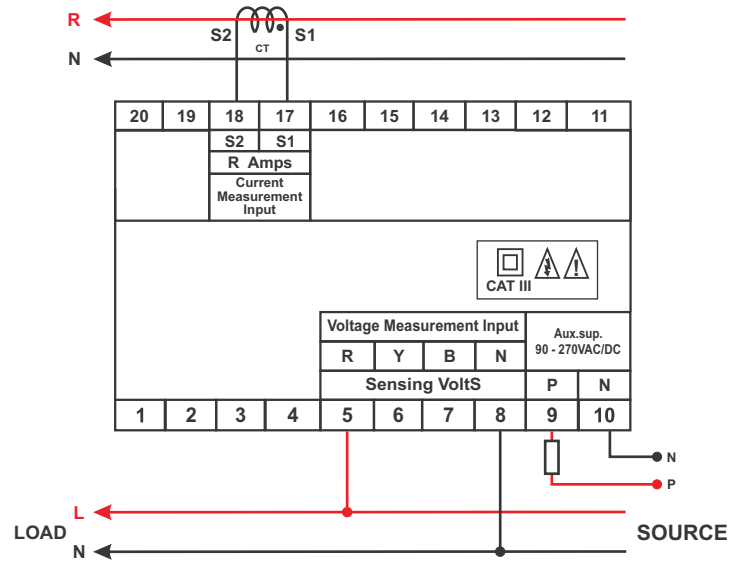


Connection Diagram

3Ø 4 Wire LOAD



1Ø 2 Wire LOAD




Ordering Information

Ordering Code	Current Rating
VIPS 83P	0-5A, CT programmable
VIPS 83P-60A-3P-N	0-60A, external CT for 3 phase (N)
VIPS 83P-60A-3P-M	0-60A, external CT for 3 phase (M)
VIPS 83P-60A-3P-NX.X	0-60A, external CT for 3 phase (NX.X)
VIPS 83P1	0-5A, CT programmable
VIPS 83P1-60A-1P-M	0-60A, external CT for 1 phase(M)
VIPS 83P1-60A-1P-N	0-60A, external CT for 1 phase(N)
VIPS 83P1-60A-1P-NX.X	0-60A, external CT for 1 phase(NX.X)

Preference of Accessories

The above module to be mounted behind the meter	M
The above module to be supplied with 1 meter long Leads	N

Accessories

Description	Code	Photo
for external CT of 60A programmed for three phase	60A-3P	
for external CT of 60A programmed for single phase	60A-1P	