

**Features:**

- ▶ Available in 96 x 96 & 96 x 48 sizes
- ▶ State of Art microcontroller based design
- ▶ 1 Line 4 Digit ultra bright LED display
- ▶ Site Programmable PT ratio (Primary and Secondary)
- ▶ True RMS measurement
- ▶ Password protection
- ▶ Harmonic measurement (THDV)
- ▶ Auto ranging
- ▶ Universal Auxiliary supply

**Advantages:**

- ▶ Cost-effective
- ▶ Accurate reading
- ▶ Long life compared to Analog, as no moving parts
- ▶ Reduce panel space, wiring and installation time
- ▶ Precise onsite display

Applications:

- ▶ Industrial application and Automation
- ▶ Control Panel
- ▶ Equipment Monitoring
- ▶ Distribution Systems
- ▶ Test bench

Measuring Parameters

- ▶ Voltage (L-L)
- ▶ Voltage (L-N)
- ▶ Total Harmonic Distortion (THDV)
- ▶ System Frequency

Supply Voltage

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

Display

Display	4 digits 7 segment LED display of 1 row
Digit Height	0.56" (14.3mm)
Display Scrolling	Automatic/Manual

Settable Parameters

P.T. Ratio	Upto 132 kV
------------	-------------

Input Specifications

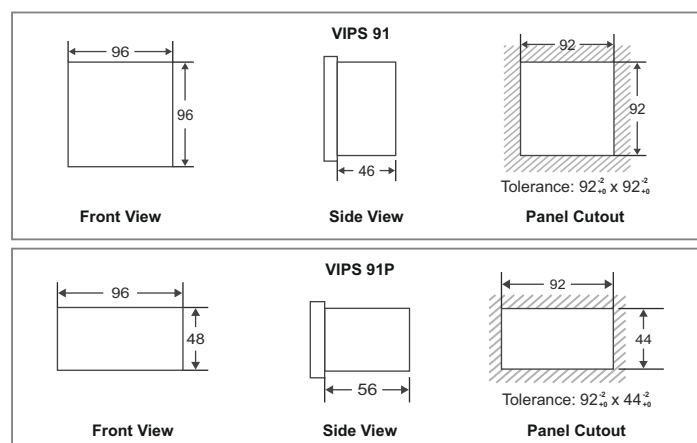
Electrical Connection	1Ø-2 wire
Input Voltage Range	10-500V AC (L-L)
Frequency	45-65 Hz
Resolution	Voltage: Autoranging
	Frequency: 0.01
Accuracy	▶ Voltage $\pm 0.5\%$ of F.S.
	▶ Frequency $\pm 0.1\%$ of F.S.
Burden	Voltage: 0.2 VA max per input
	Aux. Supply: 3 VA max.

Environmental Specifications

Temperature	Operating : -10° to 55°C
	Storage : -20° to 75°C
Humidity	< 95% RH
Protection Degree	IP20 (Terminals)
	IP54 (Front of Housing)

Mechanical Specifications

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

Dimension**Applicable Standards**

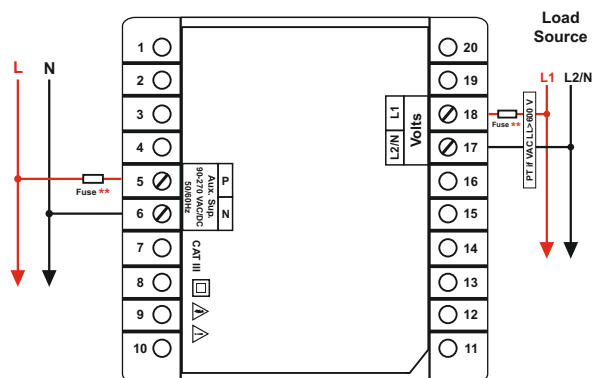
Radiated Emission	CISPR22
Fast Transient Burst Test	IEC61000-4.4
Conducted Emission	IEC61000-6.3
Test of Immunity to Electromagnetic RF Fields	IEC61000-4.3
Test of Immunity to Conducted Disturbances, Induced by Radio-Frequency Fields	IEC61000-4.6
Test of Immunity to Electrostatic Discharges	IEC61000-4.2
Surge Immunity Test	IEC61000-4.5

Safety Standards

Safety Standard	IEC61010-1
Pollution Degree	II
Installation Category	III
High Voltage Test	2 kV AC, 50Hz for 1 Minute
	Between Aux. & Measuring Inputs

Connection Diagram

VIPS 91 Terminal Connection



VIPS 91P Terminal Connection

