

Features:

- ▶ Available in 96 x 96 & 96 x 48 sizes
- ▶ 1 Line 4 Digit ultra bright LED display
- ▶ State of art micro controller based design
- ▶ Auto ranging
- ▶ Universal Auxiliary supply

**Advantages:**

- ▶ Compact
- ▶ To identify inefficiency of Machine / Man
- ▶ Reduce panel space, wiring and installation time

Applications:

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

Supply Voltage

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

Display

Display	4 digits 7 segment LED display
Digit Height	0.56" (14.3mm)
Display Range	-9999 to +9999

Input Specifications

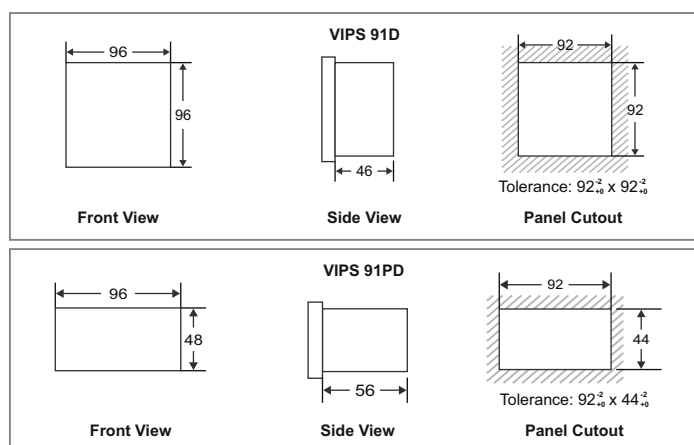
Input Voltage Range	0 - 10V DC / 0 - 20V DC / 0 - 200V DC & 0 - 1000V DC consult factory for other ranges
Accuracy	Class 1
Resolution	Auto ranging
Update Time	1 Sec.

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	180 g
Enclosure Material	ABS Thermoplastic

Dimension**Applicable Standards**

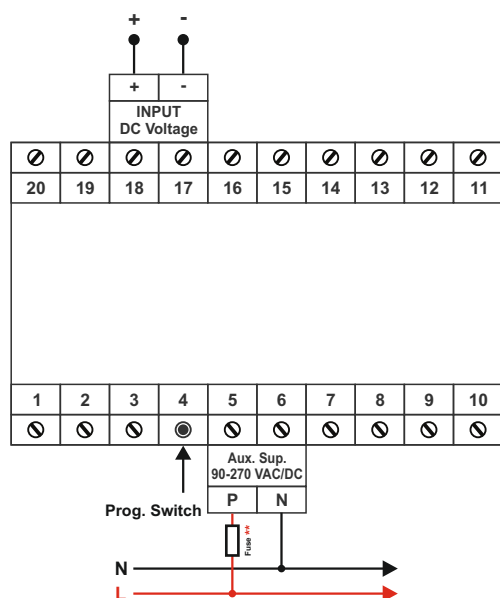
Radiated Emission	CISPR22
Fast Transient Burst Test	IEC61000-4.4
Conducted Emission	IEC61000-6.3
Test of Immunity to Electromagnetic RF Fields	IEC61000-4.3
Test of Immunity to Conducted Disturbances, Induced by Radio-Frequency Fields	IEC61000-4.6
Test of Immunity to Electrostatic Discharges	IEC61000-4.2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

Safety Standards

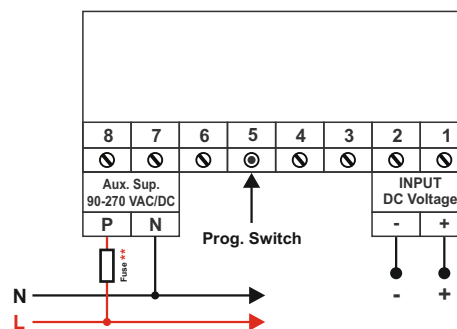
Safety Standard	IEC61010-1
Pollution Degree	II
Installation Category	III
High Voltage Test	2 kV AC, 50Hz for 1 Minute Between Aux. & Measuring Inputs

Connection Diagram

VIPS 91D Terminal Connection (96x96)



VIPS 91PD Terminal Connection (96x48)



Ordering Information

Ordering Code	Description
VIPS 91D-10V	DC Voltmeter (96 x 96) 0 - 10 V
VIPS 91D-20V	DC Voltmeter (96 x 96) 0 - 20 V
VIPS 91D-200V	DC Voltmeter (96 x 96) 0 - 200 V
VIPS 91D-1000V	DC Voltmeter (96 x 96) 0 - 1000 V
VIPS 91PD-10V	DC Voltmeter (96 x 48) 0 - 10 V
VIPS 91PD-20V	DC Voltmeter (96 x 48) 0 - 20 V
VIPS 91PD-200V	DC Voltmeter (96 x 48) 0 - 200 V
VIPS 91PD-1000V	DC Voltmeter (96 x 48) 0 - 1000 V