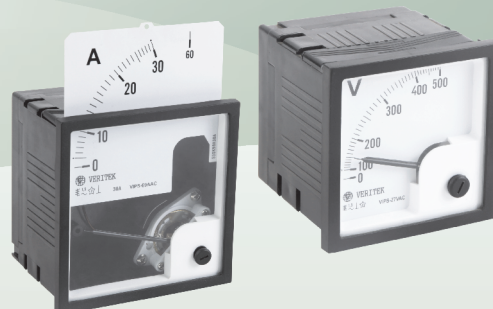


**Features:**

- ▶ Linear scale
- ▶ Knife edge pointer
- ▶ Easy replacement glass & bezel
- ▶ Easy installation with swivel screws



The moving coil panel meters are suitable for the measurement of DC Current & Voltages.

Specifications**Scale and Pointer**

Pointer	Knife - edge pointer
Pointer deflection	0 to 90°
Scale characteristics	Linear
Scale division	Coarse - fine
Pointer length	VIPS27 VIPS96 34mm 54mm

Over range:

Ammeters	10 times for 5 sec : 1 overload 10 times for 0.5 sec : 9 overload
Voltmeters	2 times for 5 sec : 1 overload 2 times for 0.5 sec : 9 overload
Scale Interchangeability	Interchangeable

Mechanical Specifications

Case details	Moulded square case suitable for mounting in Control / Switchgear panels, Machinery consoles.
Case material	ABS
Front facia	Glass
Colour of bezel	Black
Position of use	Vertical
Panel fixing	Swivel screws
Panel thickness	≤ 25 mm

Terminals

Voltmeters and Ammeters ≤ 30A	Rectangular studs, M4 screw
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Electrical Specification

Measured quantity	AC voltage or current
Power consumption:	
Voltmeters	<4.5VA
Ammeters < 15A	< 0.5VA
Overload capacity	(acc. to IS: 1248 / IEC 51
Continuously	1.2 times rated voltage
Short duration	2 times rated current
1s	10 times current
Enclosure code	IP 54 case
Insulation resistance	> 50 Mohm at 500 VDC

Reference Conditions

Accuracy class	1.5 according to IS: 1248
Ambient temperature	23°C ± 2°
Position of use	Nominal position ±1°
Input	Rated value of measured quantity
Waveform	Sine wave, distortion factor ≤ 5 %
Frequency	45 to 65HZ
Other conditions	IS:1248 (IEC 51/ DIN EN 60051)

Nominal Range of Use

Ambient Temperature	0 to 55°C
Position of use	Vertical ±5°

Environmental Specification

Operating temperature	0 to 55°C
Storage temperature	-25 to 65°C
Relative humidity	≤ 75% average, non-condensing
Shock resistance	15g _n 11 ms
Vibration resistance	10-55-10 Hz/0.15 mm 1.5 g _n at about 50 Hz.

Measuring Ranges

Description	Specification	
DC Ammeter	From 50uA, 100uA, 1mA, 5mA 1A, 5A, 10A, 25A, 30A TO 100A	DC direct connection
	From 10A, 15A, 20A, 30A, 2500A, 3000A TO 8KA, 10KA	with external shunt 50mV, 60mV OR 75mV
DC Voltmeter	From 10V, 20V, 30V TO 500V, 600V, 1000V	DC direct connection
	From 1KV, 2KV, 5KV TO 8KV, 9KV, 10KV	With external resistor