

**Features:**

- ▶ Linear scale
- ▶ Glass filled polycarbonate housing
- ▶ Knife edge pointer
- ▶ Easily replicable glass and bezel
- ▶ Easy installation with swivel bezel



The pointer type frequency meters are suitable for the measurement of frequencies in range of 45 to 450 Hz. For maximum accuracy, the essential measuring range is obtained by suppressing the unwanted frequency span.

Specifications**Scale and Pointer**

Pointer	Knife - edge pointer
Pointer deflection	0 to 90°
Scale characteristics	Non - Linear
Scale division	Coarse - fine
Pointer length	VIPS27 VIPS96 34mm 54mm
Input quantity	Alternating voltage in sinewave form

Overload Capacity

Continuously	1.2 times rated voltage
Short duration	2 times rated voltage, 5 sec
Enclosure code	IP54 case

Mechanical Specifications

Case details	Moulded square case suitable for mounting in Control / Switchgear panels, Machinery consoles.
Case material	ABS
Front fascia	Glass
Colour of bezel	Black
Position of use	Vertical
Panel fixing	Swivel screws
Panel thickness	≤ 25 mm
Terminals	Rectangular studs, M4 screw

Electrical Specification

Measured quantity	Frequency
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Reference Conditions

Accuracy class	0.5 / 1 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 65%
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, 11 ms
Vibration resistance	10-55-10 Hz/0.15 mm 1.5 g at about 50 Hz.

Measuring Ranges

Description	Specification
Frequency Meter	Voltage: 110V, 220V, 380V, 440V
	Frequency: 45-55Hz, 45-65Hz, 55-65Hz, 47-53Hz