VIPS 69PF /VIPS 27PF — Analog PF Meters

VERITEK

Features:

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

The moving coil PF meters used to monitor changing power factor condition on balanced load & unbalnce system.
The power factor is indirectly determind by measuring the phase angle Ø between current & voltage. However the indicators are calibrated in values of cos of th angle Ø.

Specifications

Scale and Pointer	
Pointer	Knife - edge pointer
Pointer deflection	0 to 90°
Scale characteristics	Non - Linear
Scale division	Coarse - flne
Pointer length	VIPS27 | VIPS96 34mm | 54mm
Scale Interchangeability	Interchangeable
Overload Capacity	
Continuously	1.2 times rated voltage / current
Short duration	2 times voltage, 5 sec max. overload
	10 times rated current, 5 sec max. overload

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 flxing	Swivel screws
Panel thickness	≤ 25 mm
Terminals	Rectangular studs, M4 screw
Electrical Specification	
Measured quantity	Power factor
Power Consumption	
Current	≤ 1.0 VA
Voltage	≤ 3.0 / 3.5 VA
Enclosure date	IP54
Rated insulation voltage	660V
Proof voltage testing	2 kV
Installation category	300 VCAT |||
Insulation resistance	>50 mohm at 500 VDC

Reference Conditions

Accuracy class	3 (Bimettalic movement slave ponter)
Ambient temperature	20°C ± 2°
Position of use	Nominal position ±1°
Input	Rated value of current
Waveform	Sine wave
Frequency	50± 0.1%
Other conditions	IS:1248 (IEC 51/ DIN EN 60051)
Nominal Range of Use	
Ambient Temperature	0 to 55°C
Position of use	Vetical ±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_n at about 50 Hz.

Measuring Ranges

Description	Specification	
Maximum Demands Ammeter	15MIN 5A, OR 15MIN 1A	Changeable scale