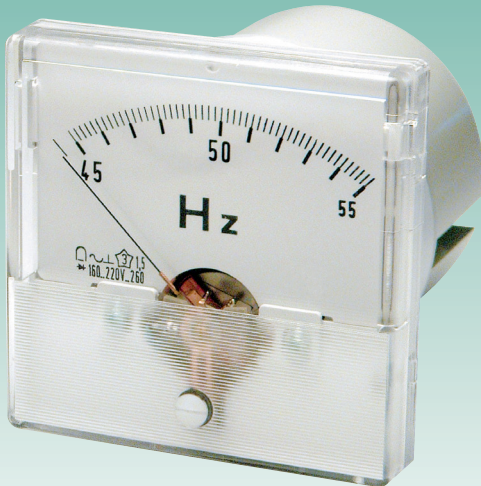


CLASSIC RANGE

Analog panel meters with round barrels for day-to-day industrial requirements.



USER SECTORS



Industry



Slimline and easy to install



Accurate



Rugged

GENERAL SPECIFICATIONS

Reference standard: IEC 60051-1

Accuracy: accuracy class 1.5

(± 1.5 % error at full scale)

Front-panel protection: IP52 reference IEC 60529

Isolation test: reference IEC 61010-1 Category III

Max. operating voltage: 650 Vac

Mechanical shocks: reference standard IEC 60068-2-27

Vibration withstand: reference IEC 60068-2-6

Environment: reference IEC 68-1

Reference temperature: $23\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$

Operating temperature: $-25\text{ }^{\circ}\text{C}$ to $+50\text{ }^{\circ}\text{C}$

Storage temperature: $-25\text{ }^{\circ}\text{C}$ to $+70\text{ }^{\circ}\text{C}$

Relative humidity: $< 90\%$ at $40\text{ }^{\circ}\text{C}$

Mounting: Front mounting on panel

Panel thickness: 8 mm max.

Materials:

Barrel: ABS

Front panel: polymethyl methacrylate

Additional casing: ABS

Dial: ABS/PC, black markings on white background.

Black bar needle



- Attractive acquisition and installation costs
- Multiple customization possibilities for switchboard and machine manufacturers

Operating position: Calibration for vertical position ($\pm 10^{\circ}$)

Overloads :

Voltmeter and frequencymeter

- $1.2\text{ }U_n$ permanent

- $2\text{ }U_n$ for 5 s

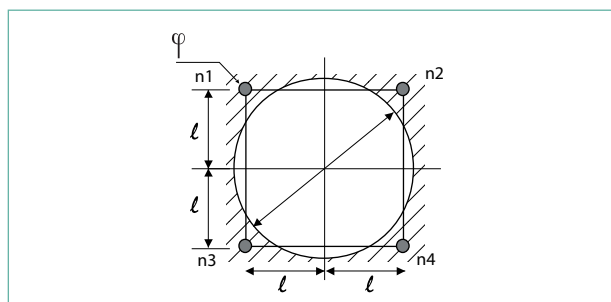
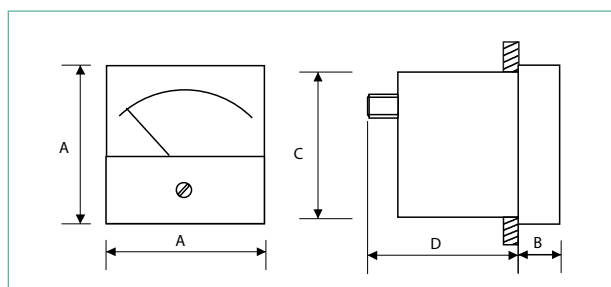
Ammeter

- $1.3\text{ }I_n$ permanent

- $10\text{ }I_n$ for 5 s

Extreme values: recommendation, IEC 60 051-1 standard 1 - 1.2 - 1.5 - 2 - 2.5 - 3 - 4 - 5 - 6 - 7.5 - 8 - 9 and their decimal multiples and sub-multiples

DIMENSIONS AND DRILLING OF THE PANEL



A x A Format	48 x 48	72 x 72	96 x 96
B (mm)	12	13	14
C (mm)	44	65	65
D 90° (mm)	48	35	35
D 240° (mm)		70	70
Ø (mm)	45	67	67
l (mm)	20	28.5	40
ni IP52 (mm)	n1	n1-n4	n1-n4
ni IP55 (mm)	n1	n1-n2-n3-n4	n1-n2-n3-n4
e (mm)	Ø 3.5	Ø 4	Ø 4
Standard mounting	clamp	2 studs M3	2 studs M3
Weight (kg)	90°	0.180	0.180
	240°	0.250	0.250
Connection	M5	M5	M5

MECHANICAL FORMATS

Deflection	90°			240°	
Format	48 x 48	72 x 72	96 x 96	72 x 72	96 x 96
Non-standard mounting and front-panel tightness					
IP55 (4-stud mounting and zero reset seal)	■	■	■	■	■
Mounting by automatic clip	■				
Mounting strap	■ as standard	■	■	■	■
Non -standard front-panel cover					
Locator index	■	■	■		
Non-standard dial format					
Creation of dial markings (after feasibility study)	■	■	■	■	■
Color marking	■	■	■	■	■
Color area	■	■	■	■	■
Black background with white markings	■	■	■	■	■
Markings not in standard documentation	■	■	■	■	■
Double scale		■	■	■	■

ACCESSORIES

Deflection	90°			240°	
Format	48 x 48	72 x 72	96 x 96	72 x 72	96 x 96
Front-panel sealed gasket	1890 0011	1890 0009	1890 0010	1890 0009	1890 0010
Cylindrical ring fastener		N003 34A00		N003 34A00	
Standard dial	■	■	■	■	■
Customized dial (on request)	■	■	■	■	■
Flask of antistatic liquid	9030 00676	9030 00676	9030 00676	9030 00676	9030 00676
Insulation cap for terminals	0026 2803	0026 2803	0026 2803	0026 2803	0026 2803
Faston terminal connections	■	■	■	■	■