

ANALOGUE MEASURING INSTRUMENTS

PAQ



Panel mounted instruments with moving coil / 240° scale

- For measurement of DC currents and voltages
- Good read-out survey on larger distance
- Exchangeable dial
- Resistance to mechanical vibrations
- Protective cover for terminals (optional)

Application

Measuring instruments with a moving coil are intended for measurement of direct currents and voltages. They are intended for incorporation into switchboards, consoles and measuring devices where maximum quantity of instruments can be applied at limited area and where good survey and read-out accuracy on larger distances are kept as well.

Construction

The measuring system, made by light and quality materials is not sensitive to external electromagnetic fields and is resistant to mechanical impacts and vibrations. The meters with exchangeable dial and linear 240° scale have the standardised square casing. The scale length is much longer as the pointer is placed in the centre of the instrument.

1)For assembly rail mounting according to DIN 46 277 and EN 50022. Bezel measures are 52x45 mm. Technical data are the same as for PAQ48i.

Measurement ranges

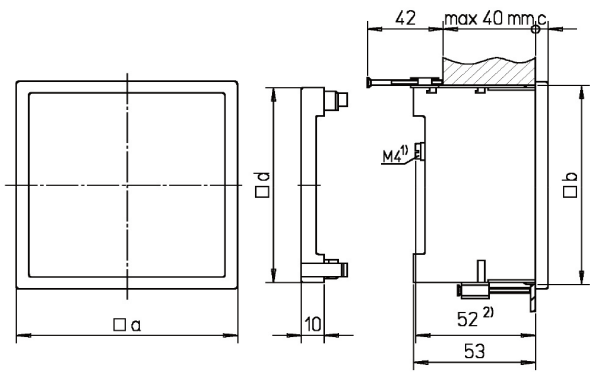
DC Current		DC Voltage	
Microammeters (A)	100	Milivoltmeters (mV)	60
	120		100
	150		150
	200		200
	250		300
	300		
	400		
	500		
	600		
	800		
Milliammeters (mA)	1	Voltmeters (V)	1
	1,2		1,2
	1,5		1,5
	2		2
	2,5		2,5
	3		3
	4		4
	5		5
	6		6
	8		8
	10		10
	15		12
	20		15
Ammeters (A)	4-20		20
	1		25
	1,2		30
	1,5		40
	2		50
	2,5		60
	3		80
	4		100
	5		120
	6		150
	8		200
			250
			300
		400	
		500	
		600	

Technical Data

Accuracy	Class 1,5	
Design	Material of housing:	PC, unflamable, according to UL 94 V-0
	Enclosure protection	Case IP 52, terminal contacts IP 00 (IP 20 for connection terminals) according to EN 60529: 1989
	Operating position	Vertical
	Test voltage	2 kV rms, according to EN 61010-1: 1990
Ambient conditions	Climatic conditions:	Standards EN 60051-1: 1995/01 EN 60051-2: 1984, EN 60051-9: 1988
	Temperature:	Reference range +18 ... +28 °C Nominal range -25 ... +55 °C Storing -40 ... +70 °C
	Humidity	up to 80% (without condensing)

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Dimensions:



Dimensions in mm / Weight in Kg.

Type		PAQ 48i	PAQ 72i	PAQ 96i	PAQ 144i
Bezel	a	48	72	96	144
Panel cut-out	b	45 ^{+0,6}	68 ^{+0,8}	92 ^{+0,8}	138 ⁺¹
Bezel height	c	5,0	5,5	5,5	8,0
Protect cover	d	42,5	66,5	90	90
Scales length		71	113	155	235
Weight approx.		0,15	0,19	0,25	0,39

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