

ANALOGUE MEASURING INSTRUMENTS

PQC96n - Moving coil instrument with electronic limit control



- For DC current and DC voltage
- Class 1,5

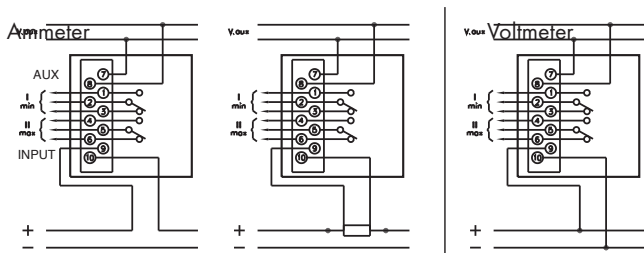
Backside adjustment

Description

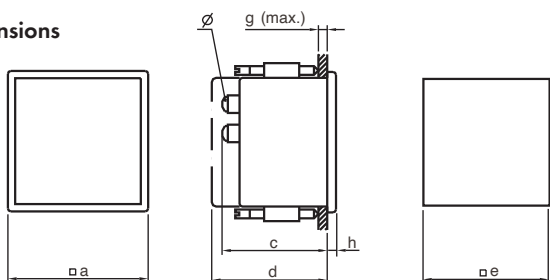
Self-shielding moving-coil system, with core magnet and hairsprings for the creation of the restoring torque, with an additionally electronic limit control. Pivot suspension with spring loaded jewel bearings for vibration and shock resistance.

- Auxiliary supply: 230 V $\sim \pm 10\%$ (50-60 Hz) other voltages on request
- Output relays: 2 changeover relays, potential free
- Hysteresis: 2 % of the full scale
- Repeatability: 1 % of the full scale
- Adjustment with potentiometer: from 0 to 100 % of the nominal range of scale¹⁾ Tolerance $\pm 5\%$
- Time delay: 0 to 30 sec. ± 3 sec. Tolerance $\pm 5\%$

Connection diagrams



Dimensions



Características Técnicas

Type		PQC 96n/1	PQC 96n/2 max. PQC 96n/2min.
Front frame	(mm)	96 x 96	96 x 96
Scale length	(mm)	94	94
Weight	(g)	540	540
Output relay		1 max. + 1 min.	2 max. (or 2 min)
Burden auxiliary supply (VA)		3	3

Standard Measuring Ranges

DC Voltage		DC Current	
40 mV	5 V	20 μ A	4 mA
50 mV	6 V	25 μ A	5 mA
60 mV	10 V	40 μ A	6 mA
100 mV	15 V	50 μ A	10 mA
150 mV	25 V	60 μ A	15 mA
250 mV	40 V	100 μ A	20 mA
300 mV	50 V	150 μ A	25 mA
400 mV	60 V	200 μ A	40 mA
500 mV	100 V	300 μ A	50 mA
600 mV	150 V	400 μ A	60 mA
800 mV	250 V	500 μ A	1 A
1 V	300 V	600 μ A	1,5 A
1,5 V	400 V	1 mA	2,5 A
2,5 V	500 V	1,5 mA	4 A
		2,5 mA	5 A
For connection to shunt .../ 60 mV		Standard signals 20 mA	
.../ 150 mV		4-20 mA	
		1 mA	

Dimensions in mm

Type	a	c	d	e	g	h	Terminals
PQC 96n	96	99	-	92 ^{+0,8}	26	5,5	screw terminals