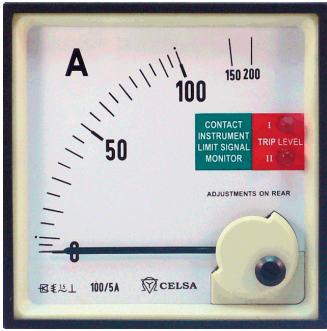


ANALOGUE MEASURING INSTRUMENTS

PQC96n - Moving coil instrument with electronic limit control



- With moving iron movement
- For DC current and DC voltage
- Class 1,5

Backside adjustment

Description

The technical features of the movements are same as the features of the moving coil instruments. Only this has an additionally electronic limit control. (Type PQ see page 4/35)

Electronic:

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

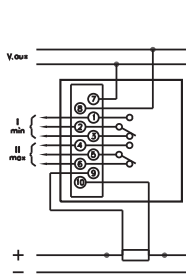
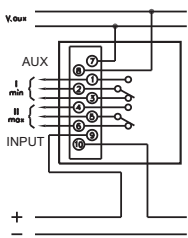
Adjustment

with potentiometer: from 0 to 100 % of the nominal range of scale¹⁾ Tolerance $\pm 5\%$

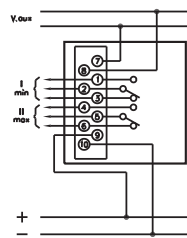
Time delay: 0 to 30 sec. ± 3 sec. Tolerance $\pm 5\%$

Connection diagrams

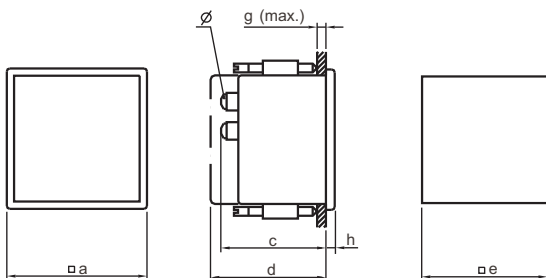
Ammeter



Voltmeter



Dimensions



Technical Features

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
Relay output		1 max. + 1 min.	2 max. (or 2 min)
Burden auxiliary supply (VA)		3	3

Burden of the movements see PQ-instruments on page 4/29

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 .../ 150 mV		Standard signals 20 mA 4-20 mA 1 mA	

Dimensions

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