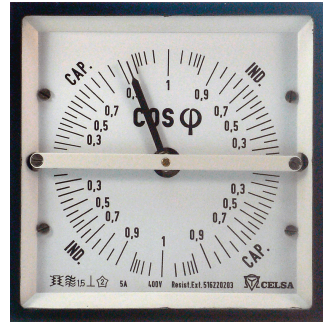


# ANALOGUE MEASURING INSTRUMENTS

## DPQ - Power factor meter



DPQ/1



DPQ/3

- Class 1.5
- For alternating current 50 or 60 Hz

### Description

The DPQ are used for power factor ( $\cos \varphi$ ) measurement. There are versions for single-phase and three-phase AC, for balanced or unbalanced load. Versions .../2 and .../3 are suitable for lines with or without neutral. The frequency is 50 or 60 Hz. The DPQ.../1 y .../2 are used for crossed-coils electrodynamic system. The DPQ.../3, a moving-iron quotientmeter. All of them are equipped with eddy-current damping, pivot suspension and spring-loaded jewel bearings (without spring for DPQ.../3) for vibration and shock resistance. DPQ types have neither mechanical restoring torque non zero adjuster. Therefore, the pointer has not a determinate position when the instrument is disconnected.

### Scales

Non-linear 90° (DPQ.../1 and /2) or 360° (DPQ.../3) scales. Coarse-fine division. The DPQ.../3 is able to measure the power factor in the four quadrants (active power exported or imported, with inductive or capacitive power factor).

### Standard scale execution:

- cap. 0,5-1-0,5 ind.
- cap. 0,8-1-0,3 ind.
- cap. 0,8-1-0,8 ind.

### Technical Features DPQ/1/2

Front frame (mm)	96 x 96	
Scale length (mm)	97	
Consumption	Current 5A Current 1A Voltage	max. 1 VA max. 1 VA max. 3 VA
Voltage U (V)	Current I (A)	Type
Single-phase AC ~		DPQ 96n/1
57,5 - 100 - 110 - 120	5	●
220 - 230 - 240	1	●
380 - 400		
440 - 500		
Three-phase AC, balanced load ≍		DPQ 96n/2
57,5 - 100 - 110 - 120	5	●
220 - 230 - 240	1	●
380 - 400		
440 - 500		
Terminal cover		●

### Technical Features DPQ/3

Front frame (mm)	96 x 96	
Scale length (mm)	200	
Weight (g)	(with external shunt) 1450	
Consumption	max. 30 mA	
Volatge U (V)	Current (A)	Type
Three-phase AC, unbalanced load		DPQ 96s/3
100 - 110	±15 ≍	●
230		
400		
440		
Terminal cover		○

● available ○ on request

On request: other dimensions

Connection diagrams see page 4/16.

Dimensions in mm / Weight in gramme								
Type	a	c	d	e	g	h	Ø	Weight
DPQ96n/1, /2	96	55	65	92 <sup>+0,8</sup>	40	5	M4	600
DPQ 96s/3	96	125	151	92 <sup>+0,8</sup>	10	5	M4	1450

