



ELECTRONIC POWER FACTOR METERS WITH 240° SCALE



96cQa, 96cQb 144cQa, 144cQb

Pivot and jewel moving-coil movement with integrated electronic circuit

Technical data:

Instrument case: steel-plate

Scale length: 140mm (96cQ...), 230mm (144cQ...)

Class of accuracy: 1.5

Rated U_N : 100 V, 110 V, 230 V, 400 V, 500 V

Operating range: $U_N \pm 15\%$

Rated I_N : 5 A or 1 A

Operating range: $0.2 \times I_N - 1.2 \times I_N$

Frequency range: 45...50...60 Hz

Consumption: max. 0.5 VA in the current circuit

and max. 12 mA in the voltage circuit

Protection: casing IP50, terminals IP00

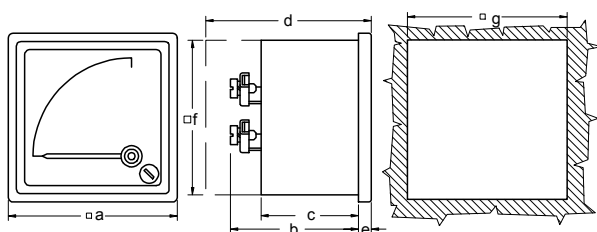
Weight: 0,65 kg (96cQ...), 0,9 kg (144cQ...)

Fixing elements: with two spring-type fastening clips (DIN 43835 "A")



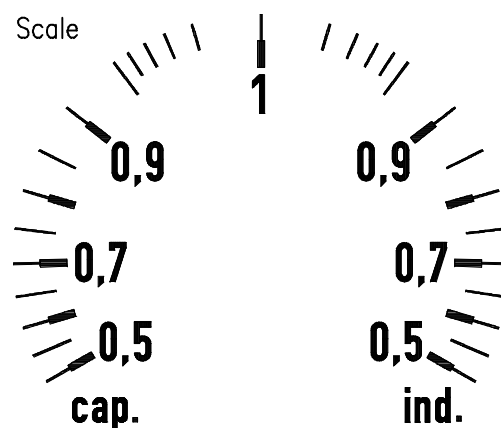
Rated voltage	Single phase ~				Three - phase balanced ≡			
	cap. 0,5 - 1 - 0,5 ind.		cap. 0,8 - 1 - 0,2 ind.		cap. 0,5 - 1 - 0,5 ind.		cap. 0,8 - 1 - 0,2 ind.	
	Rated current		Rated current		Rated current		Rated current	
	.../5 A	.../1 A	.../5 A	.../1 A	.../5 A	.../1 A	.../5 A	.../1 A
	96cQa 144cQa		96cQb 144cQb		96cQb 144cQb		96cQb 144cQb	
.../100 V	x	x	x	x	x	x	x	x
.../110 V	x	x	x	x	x	x	x	x
230 V	x	x	x	x	x	x	x	x
400 V	x	x	x	x	x	x	x	x
500 V	x	x	x	x	x	x	x	x

Outline drawing

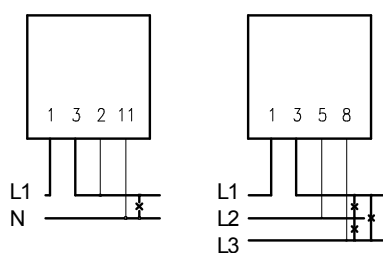


Type/Dim. (mm)	a	b	c	*d	e	f	g
96cQa 96cQb	96	60	51	76	5,5	90	92 ^{+0.8}
144cQa 144cQb	144	77	65	7	135	138 ⁺¹

* case with terminal cover



Connection diagrams



96cQa, 144cQa,

96cQb, 144cQb

Order specification

Power factor meter for three-phase three wire balanced circuit

Frame dimension: 96x96mm

Rated voltage: 400 V

Current transformer: .../5 A

Range: cap. 0.5-1-0.5 ind.

96cQb 400V.../5 A cap. 0.5-1-0.5 ind.