

ANALOGUE MEASURING INSTRUMENTS

DQ..n/b - Electronic Reactive Power Instruments (Varmeter)



- For alternating current 50-60 Hz
- Class 1.5
- Scale 90°

Description

The system consists of a moving coil movement with installed transducer which measures the reactive power in a sinusoidal or not sinusoidal current circuit and which transforms it into an analogue signal. This is then passed to the moving coil movement. These instruments have the same system and all technical explanations as our active power meter. (See page 4/21)

The standardized scale end-values are 1-1,2-1,5-2-2,5-3-4-5-6-8 and respectively the decimal multiples of those. Other values on request.

Consumption

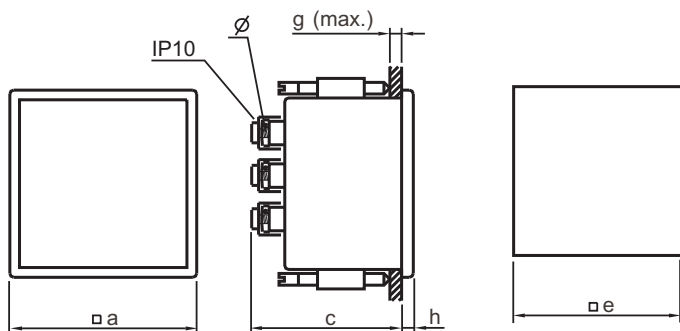
The consumption per current path is < 0,2 VA

The current consumption in the voltage path is < 3,9 VA

Required ordering indications see at DQ..n. (see page 4/15)

Housing dimensions 90° wattmeter/varmeter

Dimensions in mm / Weight in gramme						
Type	a	c	e	g	h	∅
DQ 96n / DQ 96n/b	96	134	92 ^{+0,8}	40	5,5	M4
DQ 144n / DQ 144n/b	144	134	138 ⁺¹	40	5,5	M4



Technical Features

Front frame (mm)	96 x 96		144 x 144	
Scale length (mm)	97		146	
Weight (g)	a = 460		a = 720	
	b = 510		b = 770	
	c = 695		c = 960	
	d = 725		d = 990	
Measuring range	U (V)	I (A)	Type	Type
One phase alternating current				
a ~	57,7 - 63,5	5	●	●
	100 - 110 - 127	1	●	●
	230 - 400			
Three-phase current balanced load			DQ 96n/1db	DQ 144n/1db
b ≅	100 - 110 - 230	5	●	●
	400	1	●	●
	440 - 500			
Three-phase current unbalanced load			DQ 96n/2b	DQ 144n/2b
c ≅	100 - 110 - 230	5	●	●
	400	1	●	●
	440 - 500			
Three-phase 4-wire current balanced load			DQ 96n/1b	DQ 144n/1b
d ≅	100 - 110 - 230	5	●	●
	400	1	●	●
	440 - 500			
Three-phase 4-wire current unbalanced load			DQ 96n/3b	DQ 144n/3b
e ≅	100 - 110 - 230	5	●	●
	400	1	●	●
	440 - 500			

● available ○ on request

Connection diagrams see page 4/19.