

ANALOGUE MEASURING INSTRUMENTS

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



- For alternating current 50-60 Hz
- Class 1.5
- Scale 240°

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.

The standardized scale final values are 1-1,2-1,5-2-2,5-3-4-5-6-8 and respectively the 10-,100-, 1000 times etc. Other values on request.

Consumption

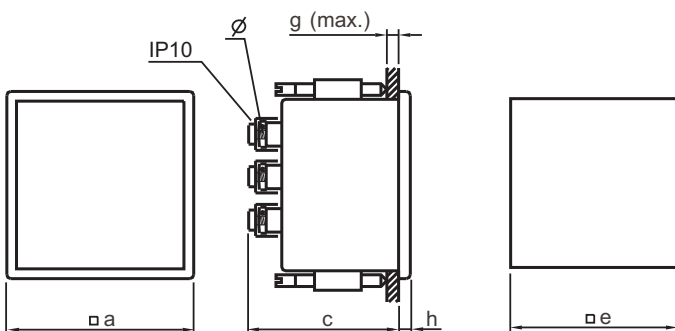
The consumption per current path amounts to: < 0,2 VA

The current consumption in the voltage path amounts to: < 3,9 VA

Required ordering indications see at DAQ..n (see page 4/17).

Housing dimensions 240° wattmeter/varmeter

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



Technical Features

Front frame	(mm)	96 x 96	144 x 144		
Scale length	(mm)	142	230		
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			DAQ 96n/1wb	DAQ 144n/1wb	
a	~	57,7 - 63,5	5	●	●
		100 - 110 - 127	1	●	●
		230 - 400	1	●	●
		Three-phase current balanced load		DAQ 96n/1db	DAQ 144n/1db
b	≅	100 - 110 - 230	5	●	●
		400	1	●	●
		440 - 500	1	●	●
		Three-phase current unbalanced load		DAQ 96n/2b	DAQ 144n/2b
c	≅	100 - 110 - 230	5	●	●
		400	1	●	●
		440 - 500	1	●	●
		Three-phase 4-wire current balanced load		DAQ 96n/1b	DAQ 144n/1b
d	≅	100 - 110 - 230	5	●	●
		400	1	●	●
		440 - 500	1	●	●
		Three-phase 4-wire current unbalanced load		DAQ 96n/3b	DAQ 144n/3b
e	≅	100 - 110 - 230	5	●	●
		400	1	●	●
		440 - 500	1	●	●

● available ○ on request

Connection diagrams see page 4/19.