

# NEQ72 and NEQ96

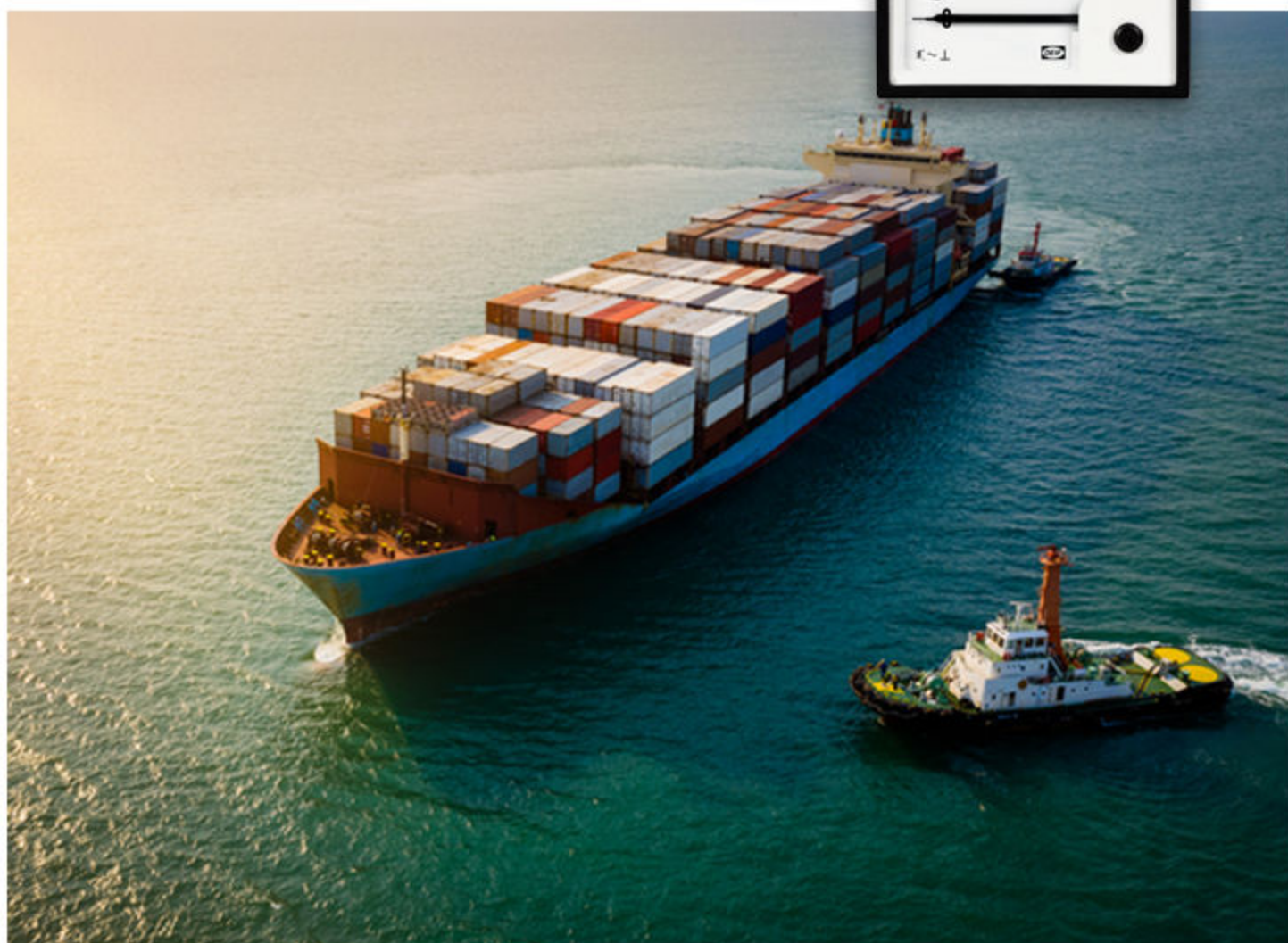
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Zero voltage meters

Data sheet



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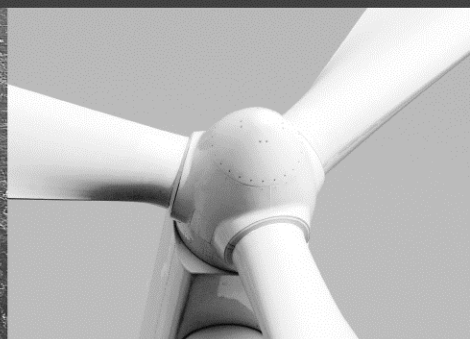




-power in control



## DATA SHEET



### Zero voltage meters, Type NEQ

- Simple and thoroughly tested synchronisation supervision
- Easily read scale
- DIN standard sizes: Q72 and Q96



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**Construction and application**

The zero voltage meter type NEQ is a moving iron instrument calibrated to full scale deflection at twice the nominal mains voltage, whereas 2/3 deflection corresponds to nominal mains voltage.

Because of the expanded scale graduation within the range 0...0.5 of full scale, the NEQ is highly applicable to supervise the synchronisation of a generator to the busbar.

The neutrals of the busbar and the generator are connected together, and the NEQ is then connected to the same phase of the busbar and of the generator respectively. The NEQ thus measures the differential voltage between the two units. (At absolute phase accordance the voltage is zero).

As the NEQ solely measures the differential voltage without indicating the polarity of this, a frequency measurement is recommended as a supplement.

Using this low-priced combination, manual synchronisation is easily and with certainty obtained.

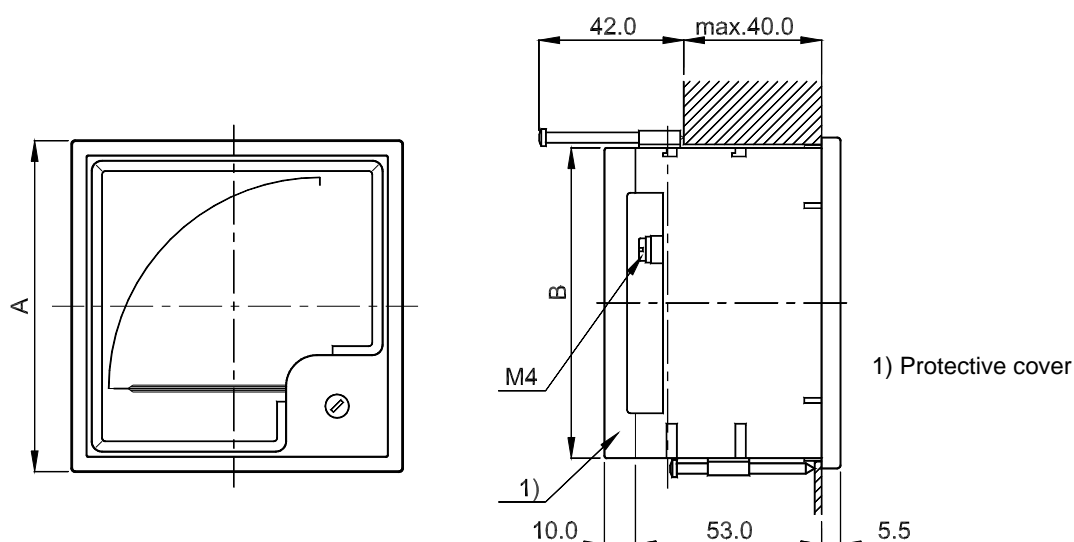
**Technical specifications**

Accuracy	Class 1.5 Class 3	within the range 0.45...0.75 of full scale deflection outside this range. (-10...15...30...55°C)
Measuring range	110/220V AC, 220/440V AC, 400/800V AC	
Consumption	1.5...4 VA	
Temperature	-10...55°C (nominal), -25...60°C (operating), -25...65°C (storage)	
Shock test	15 g - 6 times - 3 directions, 50 g/6 ms, 22 g/20 ms	
EMC	The NEQ is CE-marked for residential, commercial and light industry plus industrial environment, to EN 50081-1/2, EN 50082-1/2, SS4361503 (PL4) and IEC 255-4 (class 3)	

Further technical specifications: See data sheet no. 4921210012.

**Dimensions**

All dimensions in mm


**NEQ**

Type	A	B	Panel cut-out	Weight
NEQ72	72 x 72	66.5 x 66.5	68 x 68 +0.4	Approx. 0.200 kg
NEQ96	96 x 96	90 x 90	92 x 92 +0.4	Approx. 0.210 kg

**Available variants**

Item no.	Variant no.	Variant description
2918660720	01	NEQ72-x All measuring inputs with standard scale
2918660920	01	NEQ96-x All measuring inputs with standard scale

**Order specifications**

Variants:

Mandatory information				Additional options to the standard variant
Item no.	Type	Variant no.	Measuring range	Option

Example:

Mandatory information				Additional options to the standard variant
Item no.	Type	Variant no.	Measuring range	Option
2918660920-01	NEQ96-x	01	400/800V AC	Anti glare glass



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Due to our continuous development we reserve the right to supply equipment which may vary from the described.

