



Serie "Classic"

For measuring power factor in single- or three-phase networks (effective value!).

Technical data

Movement: cross-coiled ferrodynamic movement with spring bearings, oil damping, vibration-free pointer motion

Scale: read off directly in $\cos \varphi$ and φ . Scale length: 120 mm.

Class of accuracy: 1,5 ~ of 90 degrees, acc. to EN60051

Operating range: $0,2xI_N \dots I_N \dots 1,2xI_N$

Consumption: current circuit: max. 12 VA.
voltage circuit: max. 20 mA.

Continuous overload: 1.2* rated current at $\cos \varphi = 1$.
1.2* rated voltage

Frequency range: - HFQa: 49,5...50...50,5 Hz

-HFQa-b: ...-a: 49,5...50...50,5 Hz

-HFQa-b: ...-b: 45...50...60 Hz

Safety: IEC 1010/ EN 61010-1 class 2, degree of pollution 2., CAT III.

Position of application: horizontal.

Weight: approx. 1,8 kg.



TYPE	Cat. No. 1963-05-...	Class of acc.	Rated current	Rated voltage		Remark	
			AC	AC	Three-phase AC		
HFQa ~	003	1.5	1 A	100-240-400-500 V		ind. 0.4-1-0.4 cap.	
	004		5 A	100-240-400-500 V			
	010		1-5 A	100-240-400-500 V			
	036		10 A	100-240-400-500 V			
	009		5-10 A	150-300-450 V			
HFQa-b ~ and ~	024		1 A	150-300-450-600 V	150-300-450 V		150-300-450 V
	025		5 A	150-300-450-600 V	150-300-450 V		150-300-450 V
	032		1-5 A	150-300-450-600 V	150-300-450 V		150-300-450 V
	037		1-5-10 A	30-100-240-380 V	120-240-380 V		
	028		5-10 A	150-300-450-600 V	150-300-450 V		150-300-450 V
	030	10 A	150-300-450-600 V	150-300-450 V	150-300-450 V		

On request other ranges are possible

Customers requirement:

- Portable ferrodynamic power factor meter.
- Range:
 - rated current: 1 A
 - rated voltage: 100-240-400-500 V
 - Three-phase AC ind 0,4-1-cap 0,4.

Ordering data:

- Portable ferrodynamic power factor meter.
- Type: HFQa.
- Cat. No. 1963-05-003

Optional: ind. 0,2-1-0,8 cap. (except for model 1963-05-037)

Scale: M=1:1

