



ELECTRODYNAMIC POWER METERS



Serie "Classic"

For measuring direct and single- and three-phase active power (effective value!).

Technical data

Movement: magnetic shielding of the electrodynamic movement with taut-band bearing allows the instrument to be used in inhomogeneous magnetic field.

Scale: Practically linear calibration. *Scale length:* 120 mm.

Class of accuracy: according to EN60051 (see table).

Rated power factor (cos φ): 1

Rated power:

$$U \cdot I \cdot \cos \varphi = U \cdot I \cdot 1 \text{ (HEW}_{\mathbf{a}}, \text{HEW}_{\mathbf{a-b}}),$$

$$\sqrt{3} \cdot U \cdot I \cdot \cos \varphi = \sqrt{3} \cdot U \cdot I \cdot 1 \text{ (HEW}_{\mathbf{a-b}})$$

Position of application: horizontal.

Frequency range: HEW_a: 40...60...400 Hz HEW_{a-b}: 15... 40...60...500 Hz

Safety: IEC 1010/ EN 61010-1 class 2, degree of pollution 2., CAT III. 600V, CAT II. 1000V

Weight: approx. 1,4 kg.

On request other ranges are possible



TYPE	Cat. No 1963-03...	Class of acc.	Selectable current ranges	Selectable voltage ranges		Remark
			AC / DC	AC / DC	Three-phase AC	
HEW _a ~	023	0.5	0.5-1-2.5-5 A	12-24-48-120-240-480 V		Consumption of voltage circuit: 3 mA
	063		0.5-1-2.5-5 A	15-30-75-150-300-450-600 V		
	060		0.5-1 A	15-30-75-150-300-450-600 V		
	018		1-5 A	15-30-75-150-300-450-600 V		
	061		2.5-5 A	15-30-75-150-300-450-600 V		
	062		5-10 A	15-30-75-150-300-450-600 V		
	002		0.5-1 A	48-120-240-480 V		
	005		1 A	48-120-240-480 V		
	004		2.5-5 A	48-120-240-480 V		
	001		5 A	48-120-240-480 V		
	036		10 A	48-120-240-480 V		
	040		1-5 A	120-240-480 V		
	020	1-5 A	120-240-480-600 V			
	013	2.5-5 A	150-300-450 V			
	053	1	1A	75-150-300-450-750V		
	054		2,5A	75-150-300-450-750V		
	055		5A	75-150-300-450-750V		
	059		0,03-0,06-0,15-0,3-0,6-1,2-3-6A	6-10-15-30-100-150-300-600V		
035	0.05-0.1-0.5-1-2.5-5 A		6-12-24-36-48-60-120-240-360-480-600 V			
028	0.5-1-2.5-5 A		12-24-60-120-240-360-480 V	104-208-416 V		
HEW _{a-b} ~ and ~	025	1-5 A	12-24-60-120-240-360-480 V	104-208-416 V		
	026	1-10 A	12-24-60-120-240-360-480 V	104-208-416 V		
	030	1-5-10-20 A	12-24-60-120-240-360-480 V	104-208-416 V		
	029	5-10-20 A	12-24-60-120-240-360-480 V	104-208-416 V		
	031	1-5 A	15-30-75-150-300-450-600 V	65-130-260-390-520 V		
	032	5-10 A	15-30-75-150-300-450-600 V	65-130-260-390-520 V		
	057	0,05-0,1-0,5-1-2,5-5A	6-12-24-36-48-60-120-240-360-480-600V	13-26-52-104-208-416-520V		

Customers requirement:

- Portable electrodynamic power meter.
- Range: current: 0.5-1-2.5-5 A
voltage: 12-24-48-120-240-480 V

Ordering data:

Type: HEW_a
Cat. Nr.: 1963-03-023

