



Serie "Classic"

For measuring direct and / or alternating current or voltage.

Technical data

Movement: sensitive moving-coil movement, with taut-band bearing.

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

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

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

Continuous overload: 1,2*U_N or 1,2*I_N

Position of application: horizontal.

Weight: approx. 1,4 kg.



TYPE	Cat. No 1963-01-...	Class of acc.	Selectable current ranges		Selectable voltage ranges		Remark
			DC	AC	DC	AC	
HDA	001	0.5	15-30-75-150-750-300-1500 µA				voltage drop max. 125mV
	058	1	50-160-500µA-1,6-5-16-50-160-500mA-1,6-5-10A		30-120mV*		voltage drop max. 300mV
	002	0,5	(0.6mA/60mV)* 0.6-1.2-3-6-12-30-60 mA		60 mV		voltage drop max. 240mV
	003		(0.6mA/60mV)* 0.06-0.12-0.3-0.6-1.2-3-6 A		60 mV		
	060	1.5DC 2.5AC	15-30-100-300µA-1-3-10-30-100-300mA-1-3-10-30A		100 mV		voltage drop max. 300mV
	004		(30µA/100mV)* 100-300 µA 1-3-10-30-100-300 mA 1-3-10-20 A	1-3-10-30-100-300 mA 1-3-10-20 A	100 mV		
005	1-3-10-30-100-300 mA- 1-3-10-20 A		1-3-10-30-100-300 mA 1-3-10-20 A				
HDV	011	0.5			60-120-300-600 mV-1.2-3-6 V		internal resist. 4 kΩ/V DC
	059	1			0,1*-0,16-0,5-1,6-5-16-50-160-500-1000V		internal resist. 20 kΩ/V DC
	012	0,5			6-12-30-60-120-300-600 V		internal resist. 4 kΩ/V DC
	016	1			60-100-300 mV-1-3-10-30-100-300-600 V		internal resist. 31.6kΩ/V DC
	054				30-100mV-1-3-10-30-100-300-1000V	1-3-10-30-100-300-1000V	internal resist. 31.6kΩ/V DC 5 kΩ/V AC
	062	1.5DC 2.5AC	30µA		15-30-60-100-300mV-1-3-10-30-100-300-600V	1-3-10-30-100-300-600 V	
	013				30-100-300 mV 1-3-10-30-100-300-600 V	1-3-10-30-100-300-600 V	
055				15-30-100-300 mV 1-3-10-30-100-300-1000 V	1-3-10-30-100-300-1000 V	internal resist. 100 kΩ/V DC 20 kΩ/V AC	
HDAV	061	1.5DC 2.5AC	15-30-100-300µA-1-3-10-30-100-300mA-1-3-10-30A	1-3-10-30-100-300mA-1-3-10-30A	0,1-1-3-10-30-100-300-600 V	1-3-10-30-100-300-600 V	internal resist. 31.6kΩ/V DC 5 kΩ/V AC
	057	1	50-160-500µA-1,6-5-16-50-160-500mA-1,6-5-10A		30-100*-120-160-500mV-1,6-5-16-50-160-500-1000V		internal resist. 20 kΩ/V DC

*For connection to separate shunt.

On request other ranges are possible

Customers requirement:

- Portable moving-coil ammeter.
- Range between: 15 µA-1.5 mA DC.

Ordering data:

- Portable moving-coil ammeter.
- Type: HDA.
- Cat. No. 1963-01-001

