



# AMMETERS AND VOLTMETERS WITH MOVING-COIL MOVEMENTS



## Serie „Economic”

The instruments serve to measure direct and/or alternating current or voltage.

### Technical data

**Movement:** Moving-coil movement with pivot spring-type bearing.

**Scale:** Practically linear calibration.

*Scale length:* 120 mm.

**Class of accuracy:** according to IEC-51 (see table)

**Position of application:** horizontal.

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

**Weight:** approx. 1,4 kg.



TYPE	Cat. No 2267-01-...	Class of acc.	Switchable current ranges		Switchable voltage ranges		Remark	
			DC	AC	DC	AC		
PDA	001	1	50-100-250-500-1000 $\mu$ A		100 mV*		voltage drop max. 480mV	
	002		75-150-300-750-1500 $\mu$ A		100 mV*		voltage drop max. 290mV	
	003		1.2-3-6-12-30-60 mA		60 mV*		voltage drop max. 180mV	
	004		(5 mA/60 mV)*-0.06- 0.12-0.3-0.6-1.2-3A		60 mV*		voltage drop max. 290mV	
	005	1 DC 1.5AC	10-50-250mA-1-5-10A	10-50-250mA-1-5- 10A			voltage drop max. 1.2V	
	009	1.5DC 2.5AC	10-50-250mA-1-5A	10-50-250mA-1-5A			voltage drop max. 1.2V	
	012	1 DC 2,5 AC	10-100-500mA-5-10A	10-100-500mA-5- 10A			voltage drop max. 1.2V	
PDV	007	1			60*-120-300-600 mV-1.2-3- 6 V			internal resist. 1 k $\Omega$ /V DC
	014	2,5 AC/DC			1-3-10-30V			internal resist. 5 k $\Omega$ /V DC
	008	1			6-12-30-60-120-300-600 V			internal resist. 2 k $\Omega$ /V DC
	010	1 DC 1.5AC			3-10-30-100-300-600V	3-10-30-100-300- 600V	internal resist. 1 k $\Omega$ /V AC/DC	
	011	1.5DC 2.5AC			3-7.5-30-75-150-450V	3-7.5-30-75-150- 450V	internal resist. 5 k $\Omega$ /V AC/DC	
	013	1 DC 2,5 AC			5-10-100-500-1000V	5-10-100-500- 1000V	internal resist. 5 k $\Omega$ /V AC/DC	

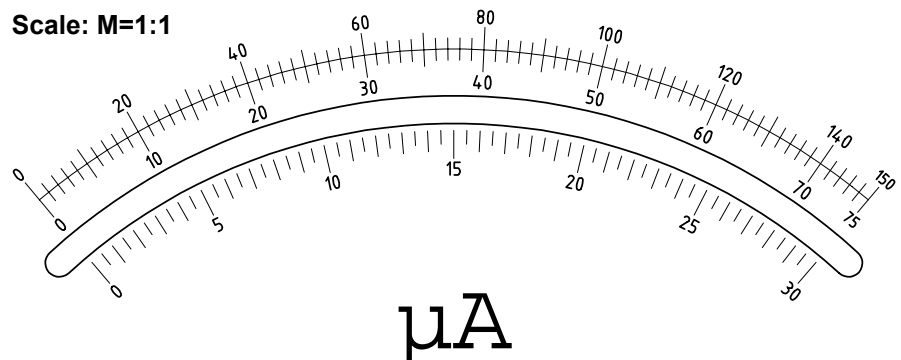
\*For connection to separate (S-1 type) shunt.

### Customers requirement:

Portable moving-coil ammeter.  
-Range between: 75  $\mu$ A-1.5 mA DC.

### Ordering data:

-Portable moving-coil ammeter.  
-Type: PDA.  
-Cat. No. **2267-01-002**





TYPE	Cat. No 2267-01- ...	Class of acc.	Switchable current ranges	Switchable voltage ranges	Remark
			DC	DC	
PDA	027	1	50-160-500 $\mu$ A -1,6-5-16-50 mA -0,16-0,5-1,6-5-10 A	100 mV*	voltage drop max. 500mV
	016		10 mA		voltage drop max. 50mV
	020		30 mA	*	voltage drop max. 80mV
	021		100 mA		voltage drop max. 80mV
	022		1A		voltage drop max. 80mV
	023		3 A		voltage drop max. 80mV
	024		10 A		voltage drop max. 100mV
PDV	028			100-160-500 mV-1,6-5-16-50-160-500-1000-V	internal resist. 20 k $\Omega$ /V DC
	017			30 V	internal resist. 1 k $\Omega$ /V DC
	018			100 V	internal resist. 1 k $\Omega$ /V DC
	019			300 V	internal resist. 1 k $\Omega$ /V DC
PDAV	026		50-160-500 $\mu$ A -1,6-5-16-50 mA -0,16-0,5-1,6-5-10 A	100-160-500 mV-1,6-5-16-50-160-500-1000-V	voltage drop max. 500mV internal resist. 20 k $\Omega$ /V DC

\*For connection to separate (S-1 type) shunt.

## Scale of PDA-V

