



MOVING-IRON PROFILE INSTRUMENTS



72spLA, 96spLA, 144spLA, 72spLV, 96spLV, 144spLV

For measuring AC current or voltage.

Technical data:

- Movement:** moving-iron, with spring-type oil filled bearing, vibration-free oil damping.
- Instrument case:** steel plate
- Scale length:** 46mm(72sp); 62 mm(96sp), 103 mm(144sp).
- Permanent overloading:** 1.2 -fold current resp. voltage.
- Class of accuracy:** 1.5
- Frequency range:** 15 ... 50 ... 100 Hz.
- Weight:** approx. 0.2kg(72sp); 0.35kg(96sp), 0.8kg(144sp) .
- Fixing elements:** two spring-type fastening clips (DIN 43 835 "A").
with two screw-type fastening clips (DIN 43835 "B")/144sp.



AMMETERS

Frame dimensions		72x36 mm	96x48 mm	144x72 mm
Measuring range	Type	72 spLA	96 spLA	144 spLA
	Cat. No.	1580-13-...	1581-13-...	2306-13-...
		consumption	consumption	consumption
400 / 800 mA	024	max. 0.5 VA	max. 0.5 VA	max. 0.7 VA
500 / 1000 mA	025	↓	↓	↓
600 / 1200 mA	026			
1 / 2 A	028			
1.5 / 3 A	030			
2 / 4 A	031			
2.5 / 5 A	032			
4 / 8 A	034			
5 / 10 A	035			
6 / 12 A	036			
10 / 20 A	038			
15 / 30 A	039			
* 1 / 2 A	C03			
* 5 / 10 A	C04			

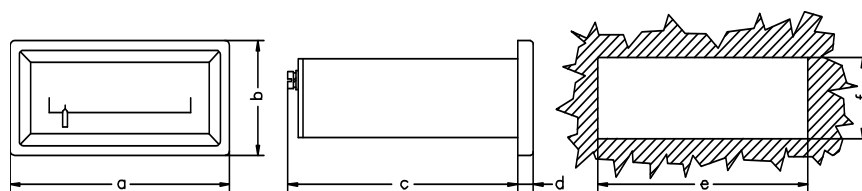
* the datas of the current transformer are required

Note: on request orders for types different from tables are accepted

VOLTMETERS

Frame dimensions		72x36 mm	96x48 mm	144x72 mm
Measuring range	Type	72 spLV	96 spLV	144 spLV
	Cat. No.	1580-13-...	1581-13-...	2306-13-...
		consumption	consumption	consumption
6 V	001	max. 3VA	max. 3VA	max. 3.5VA
10 V	003	↓	↓	↓
15 V	005			
20 V	006			
25 V	007			
30 V	008			
40 V	009			
50 V	010			
60 V	011			
80 V	012			
100 V	013			
150 V	016			
200 V	017			
250 V	019			
300 V	020			
400 V	021			
500 V	022			
600 V	023			
** ... / 100 V	C05			
** ... / 110 V	C06			

** the datas of the voltage transformer are required



Type\Dim. [mm]	a	b	c	d	e	f
72spLA, 72spLV	72	36	105	5.5	68 ^{+0.7}	33 ^{+0.6}
96spLA, 96spLV	96	48	125	7	92 ^{+0.8}	44 ^{+0.6}
144spLA, 144spLV	144	72	170	8	138 ⁺¹	68 ^{+0.7}

Order specification:

- Moving-iron voltmeter.
- Frame dimensions: 72 x 36 mm.
- Measuring range: ... / 110 V.
- Scale: 0...25 kV.

Ordering data:

- Moving-iron voltmeter type 72spLV.
- Cat. No: 1580-13-C06.
- Scale: 0...25 kV.
- position: vertical

Scales (M=1:1)

