



**48cDwA, 72cDwA, 96cDwA, 144cDwA,
48cDwV, 72cDwV, 96cDwV, 144cDwV**

For measuring AC current respective voltage

Technical data:

Movement: moving-coil with pivot spring
type bearing

Instrument case: steel-plate.

Scale length: 72mm (48cDw...),
109mm (72cDw...),
140mm (96cDw...)
230mm (144cDw...)

Permanent overloading: 1.2 -fold current
res. voltage

Class of accuracy: 1.5 for sinusoidal AC,
(calibration is true r.m.s.)

Frequency range: -15 ... 50 ... 5000 Hz for all voltmeters
and ammeters at range of 1 mA to 600 mA,
-50 ... 60 Hz for ammeters at range of 1 A to 5 A

Weight: 0.30kg (48cDw...), 0.40 kg (72cDw...),
0.55 kg (96cDw...) 0.80 kg (144cDw...)

Fixing elements: with two spring type fastening clips (DIN 43 835 "A")

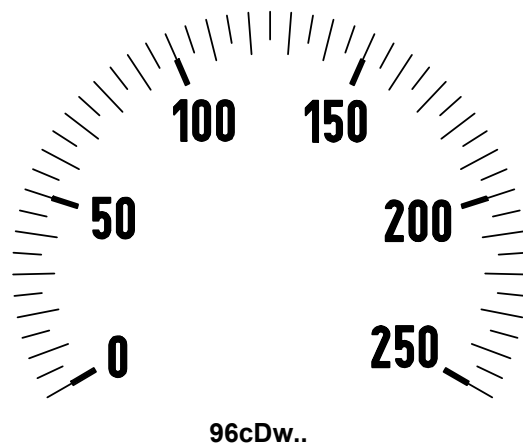
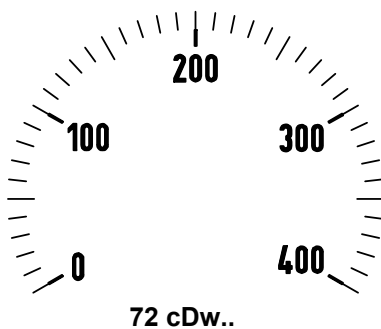


AMMETERS		Frame dimensions			
Measuring range	Cat. No.	Type 48 cDwA	Type 72 cDwA	Type 96 cDwA	Type144 cDwA
		2120-12-...	2082-12-...	2083-12-...	2544-12-...
		Voltage drop or consumpt.			
1 mA	001	max. 1.2 V	max. 1.2 V	max. 1.2 V	max. 1.2 V
100mA	011	↓	↓	↓	↓
500mA	015				
1 A	016	max. 0.3 VA	max. 0.3 VA	max. 0.3 VA	max. 0.3 VA
1.5 A	017				
2.5 A	018	↓	↓	↓	↓
4 A	019				
5 A	020				
* ... / 1 A	C01				
* ... / 5 A	C02				
** ... / 1 A	C03				
** ... / 5 A	C04				

* with current transformer

Note: on request types different from tables are accepted

** with current transformer and 100% I_n overload scale.



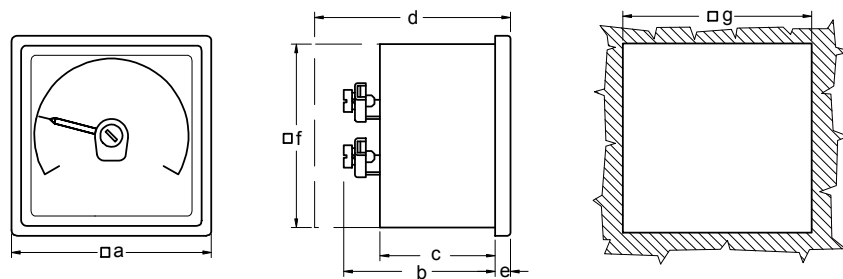


VOLTMETERS		Frame dimensions			
Measuring range	Cat. No.	Type 48 cDwV	Type 72 cDwV	Type 96 cDwV	Type 144 cDwV
		2120-12-...	2082-12-...	2083-12-...	2544-12-...
		Internal Resistance	Internal Resistance	Internal Resistance	Internal Resistance
6 V	101	1000 Ω/V	1000 Ω/V	1000 Ω/V	1000 Ω/V
10 V	102	↓	↓	↓	↓
15 V	103				
25 V	104				
40 V	105				
60 V	106				
100 V	107				
150 V	108				
250 V	109				
300 V	113				
400 V	110				
500 V	111				
600 V	112				
* ... / 100V	C05				
* ... / 110V	C06				

* for connection to voltage transformer

Note: on request types different from tables are accepted

Outline drawing



Type\Dim. [mm]	a	b	c	*d	e	f	g
48cDwA 48cDwV	48	87	72	93	5	44	45 ^{+0.6}
72cDwA 72cDwV	72	60	51	76	5.5	66	68 ^{+0.7}
96cDwA 96cDwV	96	60	51	76	5.5	90	92 ^{+0.8}
144cDwA 144cDwV	144	77	65	7	135	138 ⁺¹

* -case with terminal cover

Order specification:

- Moving coil ammeter with circular 240° scale and rectifier for AC
- Frame size: 72x72 mm
- Range: 1 A

Ordering data:

- Moving coil ammeter with circular 240° scale and rectifier for AC
- Type: **72cDwA**
- Cat. No. **2082-12-016**