

# Moving Coil Tap Position Meter

## Din panel, Analog meter

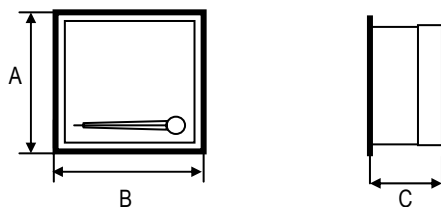


### Application

Square panel meters for direct current system. All panel meters are direct indication of measuring input. They are suitable to use on the distribution panel, control panel, switchboard panel, power plant, mimic board, machines and others. The instruments has designed for industrial applications which required precise, reliable and robust instruments for the display range and indicating. Meters suited for one of the following measuring tasks:

- DC voltage direct connection 0-1V, 0-10V or request.
- DC current 1mA, 5mA, 10mA, 20mA, 4...20mA or request.
- more detail see ordering information.

### Dimension



Size	A	B	C
48x48	48	48	65
72x72	72	72	65
96x96	96	96	65
144x144	144	144	65
80x80	80	80	65
120x120	120	120	65

### Ordering Information.

#### 1) Model

DC48	Dimension	48x48 mm.	Scale	90 Degree
DC72	Dimension	72x72 mm.	Scale	90 Degree
DC96	Dimension	96x96 mm.	Scale	90 Degree
DC144	Dimension	144x144 mm.	Scale	90 Degree
DC48-240	Dimension	48x48 mm.	Scale	240 Degree
DC72-240	Dimension	72x72 mm.	Scale	240 Degree
DC96-240	Dimension	96x96 mm.	Scale	240 Degree
DC144-240	Dimension	144x144 mm.	Scale	240 Degree

#### 2) Input Type

DC Volt 0-1, 0-5, 0-10, 0-15, 0-20V & customize  
DC Current 0-1mA, 0-5mA, 4...20mA or request.

#### 3) Range ( please specify when ordering)

8L-N-8R

17L-N-17R or request

#### 4) Class

Class 1.5 is standard or others by request

#### Example

1) Tap Position Meter, Model DC96, Input DC Volt 0-10V, Range 8L-N-8R, class 1.5, Scale 90 Degree.

2) Tap Position Meter, Model DC96-240, Input DC Current 4...20mA, \*Range 8L-N-8R, class 1.5, Scale 240 Degree.

\* Please specify when ordering or consult.

- Dimension 144x144, 120x120, 96x96, 80x80, 72x72, 48x48mm.
- DIN43700, DIN43802, DIN43718, IEC1010, IEC473, IEC51, BS89
- Polycarbonate, self extinguishing and drip-proof per UL94V-0
- Rugged housing-non combustible, plastic-heat resistance.
- Accuracy  $\pm 1.5\%$  Or class1.0 Or customize.
- 90 Degree and 240 degree.

### Characteristic

#### Display

Scale Graduation Coarse-fine  
Pointer Beam pointer with knife-edge comply with DIN 43802, parts 2 through 4.

#### Mechanical Design

Housing Material Polycarbonate, self-extinguishing and drip-proof per UL94V-0

Mounting Fasteners Standard type screw clamp

Scale Interchangeable scales  
Scales may only be replaced under voltage-free conditions !

Replaceable Bezels and glass face plates, May only be replaced under voltage-free conditions!

Terminals M4 screw terminals with self-lifting terminal clips. Screws turned with standard screw drivers tool.

Contact Protection Finger-safe full cover included

Accuracy 1.5, 1.0 or request.

Consumption  
Ammeter 0.7  $\Omega$  for 4...20 mA.  
Volt meter 1000  $\Omega$  / V.

#### Ambient Conditions

Operating Temperature - 20 ... + 55 °C  
Storage Temperature - 40 ... + 70 °C  
Relative Humidity max. 95%

#### Compliance with Regulations

Protection IP 52, front panel, Terminal IP20  
Protection Class 1

Size (mm.)	48x48	72x72	96x96	144x144	80x80	120x120
90 Deg.	DC48	DC72	DC96	DC144	DC80	DC120
240 Deg.	DC48-240	DC72-240	DC96-240	DC144-240	DC80-240	DC120-240
Scale Length	37mm.	63mm.	97mm.	120mm.	72mm.	108mm.
	73mm.	113mm.	151mm.	225mm.	136mm.	196mm.
Weight	0.20 Kg.	0.25 Kg.	0.40 Kg.	0.55 Kg.	0.30 Kg.	0.45 Kg.
	0.25 Kg.	0.30 Kg.	0.45 Kg.	0.65 Kg.	0.35 Kg.	0.55 Kg.
Cutout (mm.)	43x43	68x68	92x92	138x138	74x74	112x112
Max Voltage	300 V	600 V	600 V	600 V	600 V	600 V
Test Voltage	2.2 kV	3.25 kV	3.25 kV	3.25 kV	3.25 kV	3.25 kV

### Wiring Diagram.

