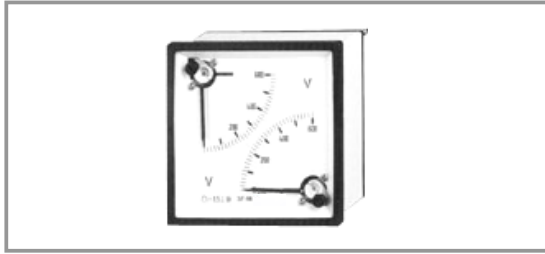


# Moving Iron AC Double Volt Meter Din panel, Analog meter



- Front Dimension 144x144, 96x96mm, 72x72mm.
- 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.
- Double pointer

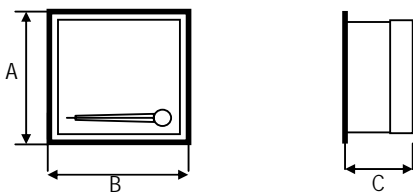
## Application

Square panel meters for alternating 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. Each measuring instrument is suited for one of the following measuring tasks:

- Direct connection 0-150V, 0-300V,0-500V, 0-600V or request.
- PT connection 100, 110, 115, 120 v ac or request.
- more detail see ordering information.

## Dimension



Size	A	B	C
72x72	72	72	65
96x96	96	96	65
144x144	144	144	65

## Ordering Information.

### 1) Model

2V72	Dimension	72x72 mm.	Scale	90 Degree
2V96	Dimension	96x96 mm.	Scale	90 Degree
2V144	Dimension	144x144 mm.	Scale	90 Degree

### 2) Input Type

Direct 50, 100, 110, 115, 120, 220, 380, 415V & customize  
PT Rated  $\underline{?}$  / 100,  $\underline{?}$  / 110,  $\underline{?}$  / 115,  $\underline{?}$  / 120V & customize  
 $\underline{?}$  please specify when ordering

### 3) Range

0-15kV, 0-30kV, 0-130kV, 0-150kV\* or request  
Factory standard range or specify when ordering or consult.  
\* please specify when ordering

### 4) Class

Class 1.5 is standard or others by request

### Example

1) 2V96 AC Double Volt Meter Input PT115kV/115V, Range 0-130kV\* class 1.5, Scale 90 Degree.

\* factory standard range or specify when ordering or consult.

## 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
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### Mounting Fasteners

Scale	Standard type screw clamp Interchangeable scales Scales may only be replaced under voltage-free conditions !
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### Replaceable

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

M4 screw terminals with self-lifting terminal clips.	Screws can be turned with standard screw drivers tool.
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### Contact Protection

Finger-safe full cover included	1.5 or request.
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### Accuracy

Voltage Path	3.3VA for 500V.
Voltage Path	2.0VA for PT Rated.

### Ambient Conditions

Operating Temperature	- 20 ... + 55 °C
Storage Temperature	- 40 ... + 70 °C
Relative Humidity	max. 95%
Frequency	45...65Hz.

### Compliance with Regulations

Protection	IP 52 front panel, Terminal IP20
Protection	Class 1

Size	72x72	96x96	144x144
Scale 90 Deg.	2V72	2V96	2V144
Scale Length	37mm.	55mm.	92mm.
Weight	0.4 Kg.	0.45 Kg.	0.65 Kg.
Panel Cutout	68x68 mm.	92x92 mm.	138x138 mm.
Max Voltage	600 V	600 V	600 V
Test Voltage	3.25 kV	3.25 kV	3.25 kV

## Wiring Diagram.

