



# Double Voltmeter

Instrument  
Division

Data sheet No : DVMI / 10 / 14

## DESCRIPTION

Double voltmeters are Moving Iron Instruments. These Instruments are protected from damage or breakage under adverse condition due to its spring loaded jewel & pivot system. And are free from external magnetic field influences because of magnetic shielding & are 'CE' certified. These instruments have a very efficient oil damping system, which gives almost a deadbeat movement to the pointer, without irksome oscillation. The movement is light yet sturdy and has a large torque to weight ratio which assures long life to instruments. Readability starts from 10 to 15 degree approximately.

## FEATURES

- ◇ Scale : Non - linear
- ◇ Scale Colour : Special colour, scales and marks for different ranges . ( on request ) .
- ◇ Housing : Engineering plastic.

## ELECTRICAL SPECIFICATION

- ◇ TYPE : Double Voltmeter ( Moving Iron )
- ◇ OPERATING VOLTAGE : 15V to 600V.
- ◇ BURDEN ( of one Voltmeter ) : 15V to 30V - <100mA, 50V to 100V -<30mA, 110V to 200V - <15mA, 200V to 600V - < 7.5mA.
- ◇ FREQUENCY : 45Hz ~ 65Hz. ( 400Hz. on request )
- ◇ ACCURACY : Class 1.0% & 1.5%
- ◇ INSULATION RESISTANCE : Greater then 20MΩ at 500V DC
- ◇ DIELECTRIC TEST : 2kV RMS for 1 minute.
- ◇ OVERLOAD CONTINUOUS : 1.2 times
- ◇ OVERLOAD SHORT TIME : 2 times  $V_N$
- ◇ OPERATING TEMP. : -10°C to 55°C
- ◇ STORAGE TEMP. : -20°C to 70°C
- ◇ CONFORMS TO : I.S. 1248 / I.E.C. 60051 ( Part 2 ) .

## MECHANICAL SPECIFICATION

MODEL	DV-SIF-96	DV-SIF-144
SIZE ( mm )	96 x 96 x 60	144 x 144 x 50
PANEL CUTOUT ( mm )	92 x 92 <sup>+0.8</sup>	138 x 138 <sup>+1.0</sup>
SCALE LENGTH ( Approx.mm )	50	95
WEIGHT ( Approx. gms.)	300	600

## Ordering information

Type 2) Model 3) Operating Voltage & PTR for Double Voltmeter.



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