



Combined Ammeters & Voltmeters

Instrument
Division

Data sheet No : MCDAV / 06 / 17

DESCRIPTION

Moving coil Instruments are protected from damage or breakage under adverse conditions due to spring loaded jewel & pivot system. These instruments are free from external magnetic field influences because of centre magnet system & are "CE" certified. Voltmeters are made up to 600V for direct connection and up to 1200V with external multiplier with sensitivity 1000 ohms/V. Higher sensitivities are available. Scale printed for other variables viz. Speed, Temp, pH, kW, kVAR, Hz or $\cos \phi$ etc. can be supplied on request. Ammeters with internal shunts are available upto 30 Amps and for higher currents up to 12000 Amps use external shunts of 50mV, 60mV, 75mV etc.

FEATURES

- ◇ SCALE : Linear
- ◇ SCALE COLOUR : Special colour scales & marks for different ranges. (On request)
- ◇ GLASS : Anti-glare. (on request)
- ◇ HOUSING : Engineering plastic.
- ◇ TERMINAL PROTECTION : Shrouded terminals to protect from accident. (On request) .

ELECTRICAL SPECIFICATION

- ◇ TYPE : Moving Coil Non Slide
- ◇ OPERATING VOLTAGE : 50mV to 600V.
- ◇ OPERATING CURRENT : 100uA TO 30A. & Above 30A external shunt.
- ◇ ACCURACY : Class 1.5%. (1% on request)
- ◇ INSULATION RESISTANCE : Greater then 20M Ω at 500V DC
- ◇ DIELECTRIC TEST : 2kV RMS for 1 minute.
- ◇ OVERLOAD CONTINUOUS : 1.2 times
- ◇ OVERLOAD SHORT TIME : 2 times $V_N/10$ times I_N for 5 seconds.
- ◇ OPERATING TEMP. : -10°C to 55°C
- ◇ STORAGE TEMP. : -20°C to 70°C
- ◇ HUMIDITY : up to 95% RH
- ◇ CONFORMS TO : I.S. 1248 / I.E.C. 60051 (Part 2)

MECHANICAL SPECIFICATION

MODEL	SMC 96
SIZE (mm)	96 x 96 x 60
PANEL CUTOOUT (mm)	92 x 92 ^{+0.8}
SCALE LENGTH (Approx.mm)	90
WEIGHT (Approx. gms.)	190

Ordering information

Type 2) Model 3) Operating Voltage / Current 4) mV in case of Ammeter with external shunt.



**AUTOMATIC
ELECTRIC LTD.**

Corporate Office :

Rectifier House, 570,

Naigaum Cross Road,

Wadala, Mumbai-400031,India

Email : sales@aelindia.com/ppp@aelindia.com

Phone No. : +91-22-24131849/24141794/24162261

Fax No. : +91-22-24112582

Visit us at: <http://www.aelindia.com>

