



ISO 9001

VISHAWKARMA SCIENTIFIC WORKS

AN ISO 9001 : 2015 Certified Company

761, Dina Mandi, Ambala Cantt

website: www.viskawmeters.co.incontact: +91 9953241920, 8882030155 Email- viskawmeters@gmail.com

COMBINED AMMETERS & VOLTMETERS



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)



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ELECTRICAL SPECIFICATIONS :

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 20MU at SOOV DC
DIELECTRIC TEST :	2kV RMS for 1 minute.
OVERLOAD CONTINUOUS :	1.2 times
OVERLOAD SHORT TIME :	2 times VN/10 times IN for 5 seconds.
OPERATING TEMP. :	-10°C to 55°C
HUMIDITY :	up to 95% RH
CONFORMS TO :	I.S. 1248 / I.E.C. 60051 (Part 2)

MECHANICAL SPECIFICATIONS :

MODEL	SMC 96
SIZE (mm)	96x96x60
PANEL CUTOUT (mm)	92x92 ^{+0.7}
SCALE LENGTH (Approx. mm)	90
WEIGHT (Approx. gms)	190

ORDERING INFORMATION:

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