BEEMET

ANALOG DC MOVING COIL METER - MO-65

Beemet M series meters manufactured in both Moving Coil and Moving Iron type, are designed for wide view with a clear glass front.

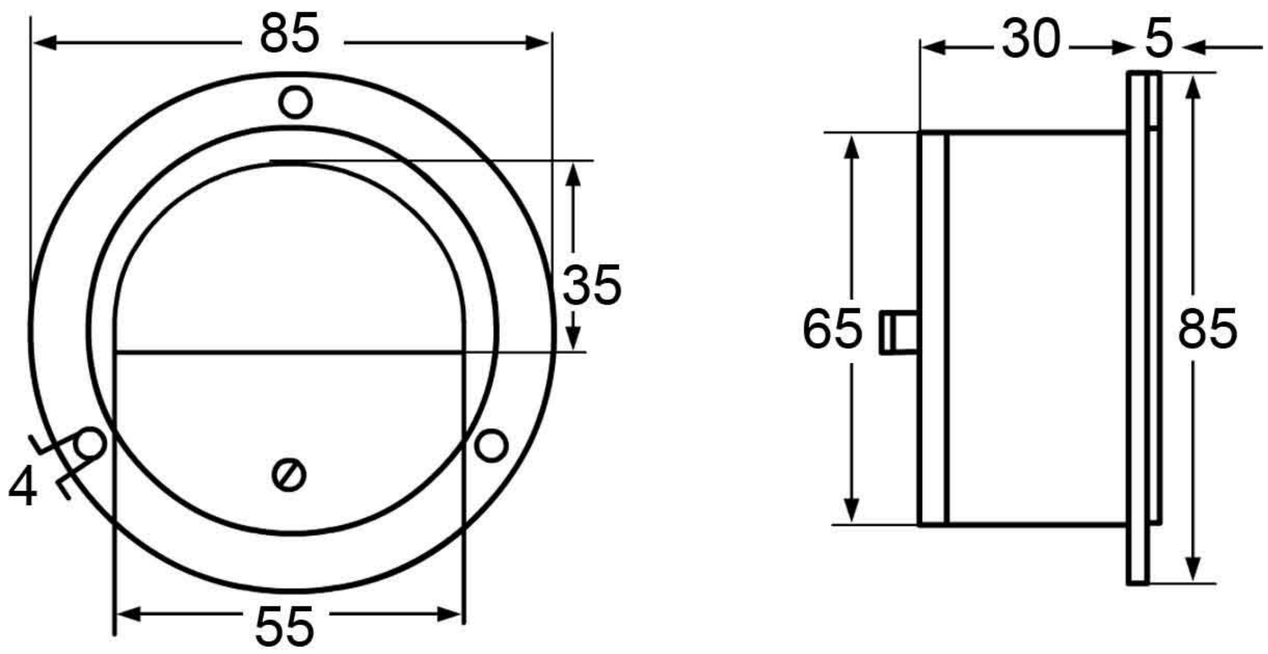
- Powerful and stable Alnico Magnets
- Polished Carbon Steel Pivots.
- Jewelled Bearings for maximum accuracy.
- Phosphor Bronze Springs.
- Bakelite body with glass front.

SALIENT FEATURES

- Rugged movement ensures sustained accuracy and reliability.
- Clear and well-defined dial markings with knife edge pointer.
- Confirms to IS. 1248-83 standards.

DIMENSIONS

MO-65(Scale: 53mm)



RANGE CHART

Model	Description	Ammeter Range	Voltmeter Range
MO - 65	DC Moving Coil	25µA – 60A, 1A – 10000A*	10mV – 600V
SO - 65	AC Moving Iron	10mA – 100A 1A – 10000A**	1V - 600V
CO - 65	AC Moving Coil Rectifier Type	1mA – 20A	1V - 600V

* With external Shunt ** With external CT

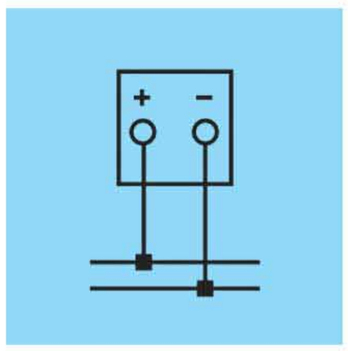
BEEMET

GENERAL SPECIFICATIONS

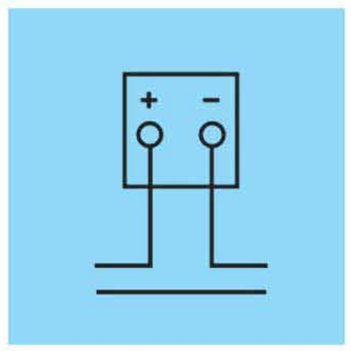
Accuracy Class	±1.5 / 2.0 of FSD
Measurable quantities	AC and DC Voltage or Current
Pointer deflection	0 – 90°
Frequency	50/60Hz
Sensitivity	1000Ω/V (Voltmeter); 200Ω/V (Ammeter)
Overload capacity	According to IS: 1248 / IEC 51
Short duration for voltmeters	2 times for 5s: 1 overload 2 times for 0.5s: 9 overloads
Short duration for ammeters	10 times for 5s: 1 overload 10 times for 5s: 9 overloads
Continuously	1.2 times rated voltage or current
Operating Temperature	-10 to 55°C
Storage Temperature	-25 to 65°C
Relative Humidity	< 75% annual average, non-condensing

WIRING DIAGRAM

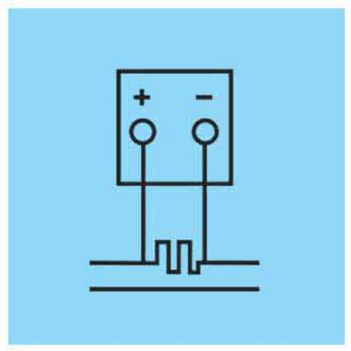
DC Moving Coil Voltmeters and Ammeters:



Voltmeter with direct connection

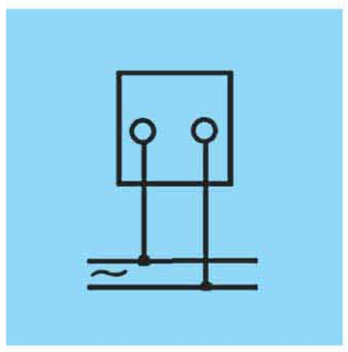


Ammeter with direct connection

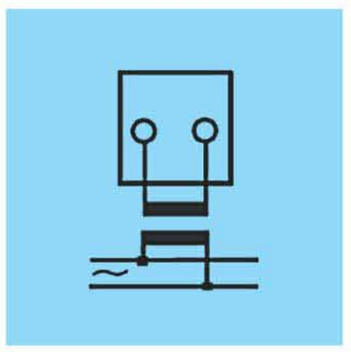


Ammeter with shunt

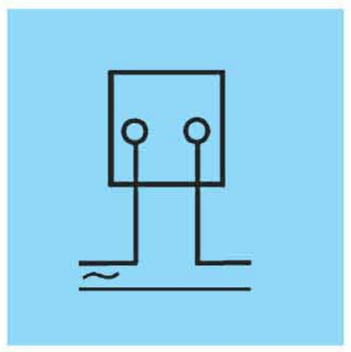
AC Moving Coil Voltmeters and Ammeters:



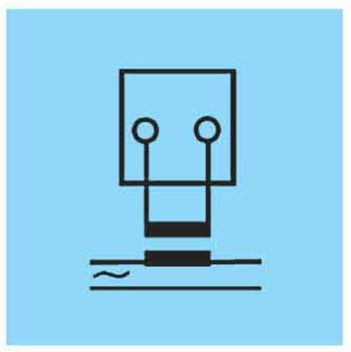
Voltmeter with direct connection



Voltmeter with PT



Ammeter with direct connection



Ammeter with CT

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