

## APM489-96 Moving Coil Meter

Suitable for measurement of DC Voltage or Current. Jewel and pivot movement ensures reliability and Accuracy.  
Class:1.5 ( $\pm 1.5\%$  max error).

### Technical Specification

#### Input – Current ranges

0-50uA to 0-40A Direct Connected.  
(>40A use a shunt and mV Voltmeter)  
0-10mA, 0-20mA, 4-20mA.  
Can be driven from a transducer output.

#### Input – Voltage ranges

0-50mV to 0-800V Direct Connected

#### Display

Scales are linear and calibrated from zero to full scale.  
Scaleplates are available in any process unit including;  
A, V, °C, bar, rpm, kW and % ('Special' scales also available)  
Available in Short scale (90° sweep) and Long scale (240° sweep)

**Voltage Drop:** Ammeter <100mV

**Current Consumption:** Voltmeter <200V 1mA, >200V 200uA

#### Customer Termination

The customer gains entry at the rear via 2 stud connectors.  
(Terminal covers available on request)

#### Panel Fixing Details

The customer panel cut out hole needs to be 92mm square, with the enclosure held into the panel by it's clamp. The customer panel must be no more than 9mm thick.

#### Environmental Conditions

Storage Temperature: -40°C to +70°C

Operating Temperature: -25°C to +55°C

#### Dimensions

Bezel size: 96 x 96 mm

Cut-out Size: 92 x 92 mm

Depth:  $\leq 64$  mm, including terminals & optional cover

IP rating: IP54 Front of panel as std

(IP65 sealing & front of panel seal gasket available)

#### Vibration/Seismic Qualification

min vibration of  $\pm 0.25$  mm amplitude at a frequency of 50Hz, corresponding to an acceleration equal to 2.5 g, in three perpendicular axes for 20 minutes.

#### Enclosure

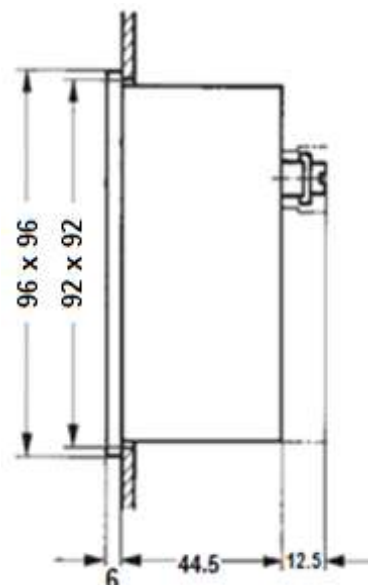
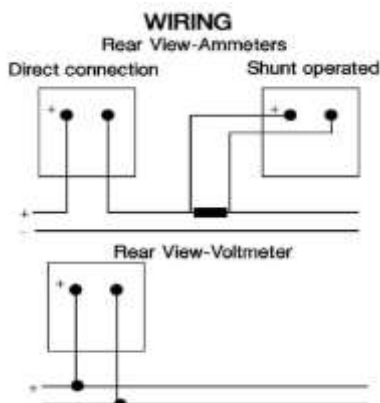
Weight: <360g

Flame retardant white ABS plastic case with black bezel.

Case IP52 to IEC529 and BS5490 (IP65 sealing options available)



#### Dimensions (mm)



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