

## APM489-48 Moving Coil Meter

Suitable for measurement of DC current or voltage. Jewel and pivot movement ensures reliability and accuracy.

### Technical Specification

#### Input - Current

0-50uA to 0-25A direct connected  
> 0-25A use shunt and mV Voltmeter  
4-20mA input also available (impedance <5ohms)  
Can be driven from a transducer output

#### Input - Voltage

0-50mV to 0-500V 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 %  
Available as shortscale (90° sweep) only, with Special scale plates also available on request

**Accuracy class:** 1.5 ( $\pm 1.5\%$  max error)

**Voltage Drop:** Ammeter <100mV

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

#### Customer Termination

The customer gains entry at the rear via 2 stud connectors.

#### Panel Fixing Details

The customer panel cut out hole needs to be 45mm square with the enclosure held into the panel by clamp. The panel must be no more than 12mm thick.

#### Environmental Conditions

Storage Temperature: -40 to +70°C  
Operating Ambient: -15 to +55°C  
Relative Humidity: 0 to 90% (Non-condensing)  
IP rating: IP52 Front of panel as std  
(IP65 sealing + front of panel gasket option 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.

#### Dimensions

Bezel size: 48 x 48 mm, (Cut-out Size: 45 x 45 mm).  
Depth: 60 mm including terminals  
(Terminal Cover supplied)

#### Enclosure

Flame retardant white ABS plastic case with black bezel, (Weight: <200g)  
Case IP52 to IEC529 and BS5490, Weight: 140g



#### Dimensions (mm)

