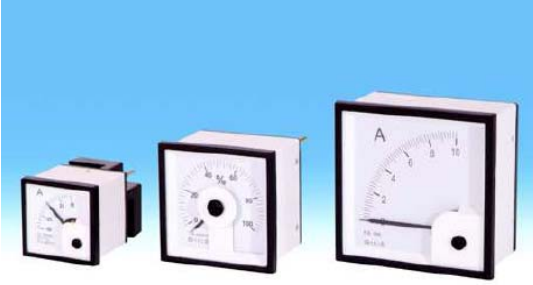


# POUNDFUL



## MOVING COIL

- PF48MA DIN48 Moving Coil Ammeter
- PF48MV DIN48 Moving Coil Voltmeter
- PF72MA DIN72 Moving Coil Ammeter
- PF72MV DIN72 Moving Coil Voltmeter
- PF96MA DIN96 Moving Coil Ammeter
- PF96MV DIN96 Moving Coil Voltmeter
- PF72LMA DIN72 Longscale Moving Coil Ammeter
- PF72LMV DIN72 Longscale Moving Coil Voltmeter
- PF96LMA DIN96 Longscale Moving Coil Ammeter
- PF96LMV DIN96 Longscale Moving Coil Voltmeter

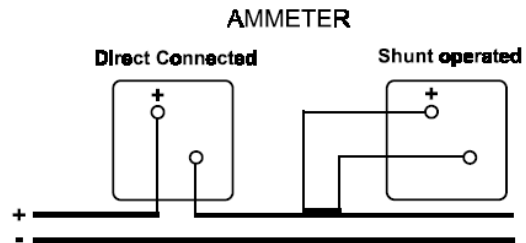
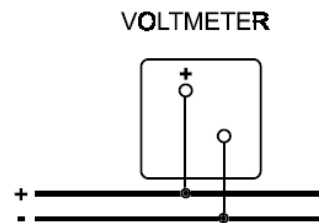
## APPLICATION

Moving Coil Meters are designed for direct analog signal measurement, include signal from transmitter or transducer, direct current and voltage. Direct Current and Voltagemasurement are widely used in UPS, Power Supplies, DC system. Field sensors for measurement of Pressure, RPM, Temperature, Angle etc commonly have their signal converted through transmitters or transducers into milli-Ampere (typically 0-20mA, 4-20mA) or volt (typically 0-10V, +/-10V) signal and display their value by these gauges.

Non standard scale can be produced with process unit include bar, rpm, ton, kW, %, deg C, kg/m<sup>2</sup> etc.

The moving coil meters are available with 90 deg pointer deflection (shortscale) or 240 deg deflection (longscale).

## CONNECTIONS



## SPECIFICATION

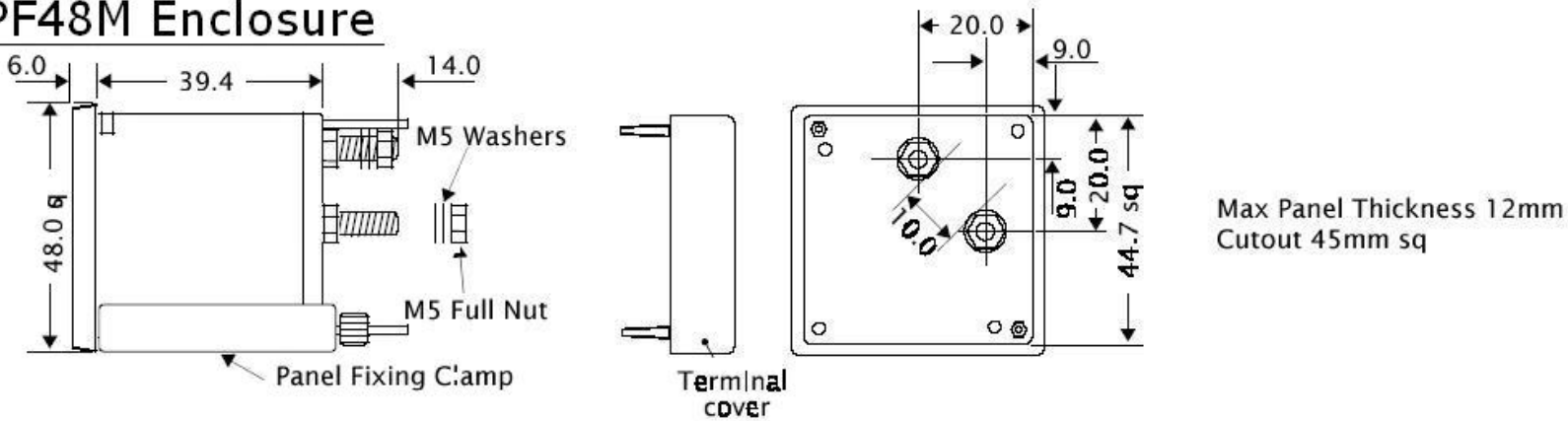
ACCURACY:	Class 1.5
INPUT CURRENT, In:	200uA to 40A direct connected DC Shunt is recommended to work with mV Voltmeter for above 40A
INPUT VOLTAGE, Un:	50mV to 800V direct connected
Common Scales:	10, 20, 25, 30, 40, 50, 60, 80, 100, 120, 150, 200, 250, 300, 400, 500, 600, 800, 1000, 1200, 1500, 1600, 1800, 2000, 2500, 3000, 4000 Non-standard scale can be specified
Overload:	1.2 x In or Un for 2 hours 10 x In, or Un for 5 seconds
Voltage Drop:	Within 100mV for Ammeter
Current Consumption:	1mA for Voltmeter
Weight:	PF48 150g, PF72 180g

## ORDERING CODE

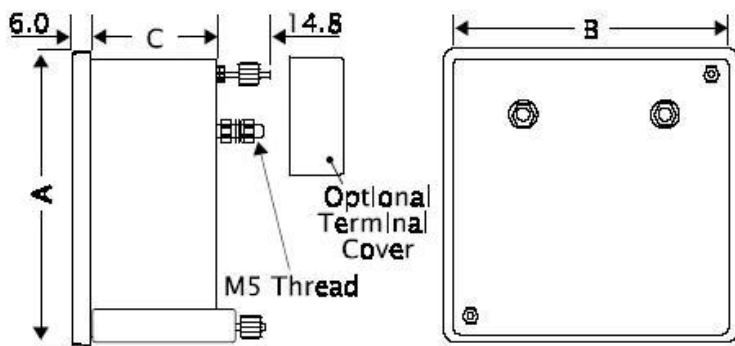
TYPE	DIN SIZE	INPUT	SCALE
PF48M	48x48mm 90 deg		
PF72M	72x72mm 90 deg		
PF72LM	72x72mm 240 deg		
PF96M	96x96mm 90 deg		
PF96LM	72x72mm 240 deg		
A	Ammeter		
V	Voltmeter		
		Specify	Specify

# DIMENSIONS

## PF48M Enclosure



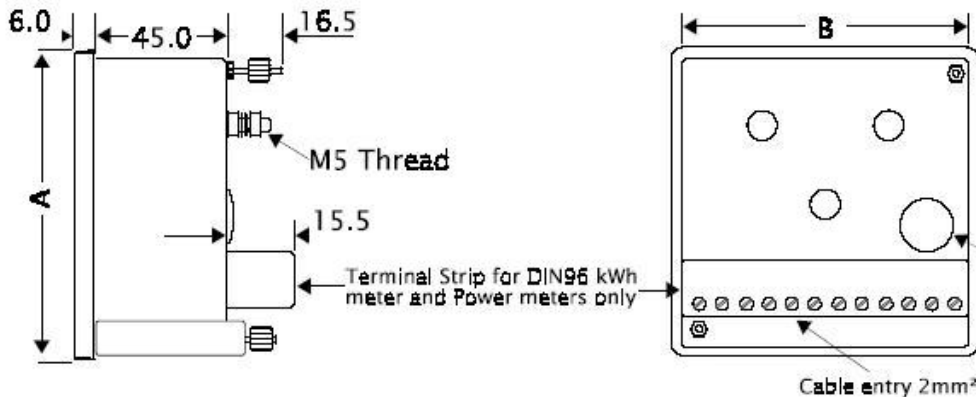
## PF72M and PF96M Enclosures



Max Panel Thickness 9mm

	A	B	C	Cutout
PF72	72 sq	67 sq	36.5	68 sq
PF96	96 sq	90 sq	44.3	92 sq

## PF72LM and PF96LM Enclosures



Max Panel Thickness 9mm

	A	B	Cutout
PF 72	72 sq	67 sq	68 sq
PF 96	96 sq	90 sq	92 sq

Push fit blanking plug for access to rotary switch to select CT ratio (kWh meter only)

# GENERAL SPECIFICATION

- Operating Environment:** Temperature: -20 deg C to 60 deg C  
Relative Humidity: 0-90% RH
- Calibration Temperature:** 24 deg C
- Reference Standard:** DIN43802
- Enclosure:** Flame retardant white ABS plastic case with black bezel  
Polycarbonate or plain glass window  
Case Standard IP52 to IEC529 and BS5490
- Insulation Test:** 2kV rms 50Hz for 1 min (IEC414)

Note: Specification subject to change without notice