DC AMMETER / VOLTMETER PMD-96

(Moving Coil Type)

Ammeter

Max. scale value	Approx. internal resistance or voltage drop	Accessory
100μA	1.16kΩ	–
1mA	42Ω	
5mA	12Ω	
10mA	3.4Ω	
20mA	3Ω	
4~20mA	3Ω	
50mA ~ 30A	60mV	
30A [1] ~ 10kA	60mV	Shunt [2]

Note:

[1] When 30A is exceeds, shunt will externel to meter 60mV. Meter 50mV, 100mV also can be manufactured.

[2] Lead wire of shunt is not attached. Standard lead wire resistance is 0.07Ω (1.25mm²).

* Meter up to 1Ω will manufactured when lead wire resistance value 0.07Ω is exceeds. Please specify it.

Shunt Lead Wire Resistance Value Table

Cross-section area (mm²)	Annealed copper (Ω/m)	Note
1.25	0.0165	JIS C 3307 (IV) JIS C 3317 (HIV) Above Line
2.0	0.00924	
3.5	0.00520	

* Meter built-in adjustable resistor for external resistance correction can be manufactured.
* Meter both deflection also can be manufactured.

Voltmeter

Max. scale value	Approx. consumption current	Accessory
50mV ~ 900mV	1mA	–
1V ~ 600V [2]	1mA [1]	

Note:

[1] Internal resistance until 10kΩ/V will be manufactured when voltmeter 3V is exceeds.

[2] When 600V is exceeds, series resistor will external to meter 1mA.

* Meter both deflection can be manufactured.
* External overvoltage protection to voltmeter 500mV or more also can be manufacture.

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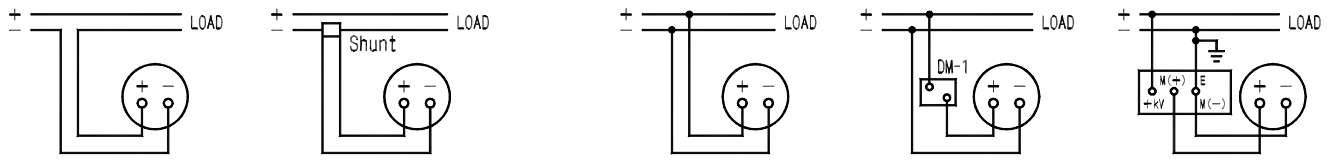
Connection Diagram



Ammeter

Ammeter
External shunt

Voltmeter

Voltmeter
External series
resistor (DM-1)

Voltmeter
External series
resistor (DM-2~25)

Dimensions