

Isolated Potentiometer to DC Transmitter

MT-PMT

The Model MT-PMT accepts 2- or 3-wire potentiometer value of 100Ω up to $100k\Omega$ and provides isolated DC outputs.

- Linearization available
- Free input Range

♣ Performance

- Accuracy : $\pm 0.2\%$ of Full Scale
- Temp. Coefficient : $\pm 0.015\%$ / $^{\circ}\text{C}$
- Response Time : 0.5Sec or less (0~90%), Normal
- Input Range : $100\Omega \sim 100k\Omega$ (Free : Only 3-wire)
- Insulation Resistance : $100M\Omega$ or more
with 500V DC (Input to Output to Power)
- Dielectric Strength : 1,500V AC 0.5mA/Min.
(Input to Output to Power)
- Display Range : -99 to 999 (Available Decimal Point)
- Unit : %, V, A, mV, mA, etc.

♣ General Specifications

- Housing Material : Plastic ABS (Resin), Black
- Isolation : Input to Output to Power
- Adjustment : Zero & Span $\pm 20\%$ of Full Scale (Separated)
- Display : 3 Digits (available Decimal Point)



♣ Installation

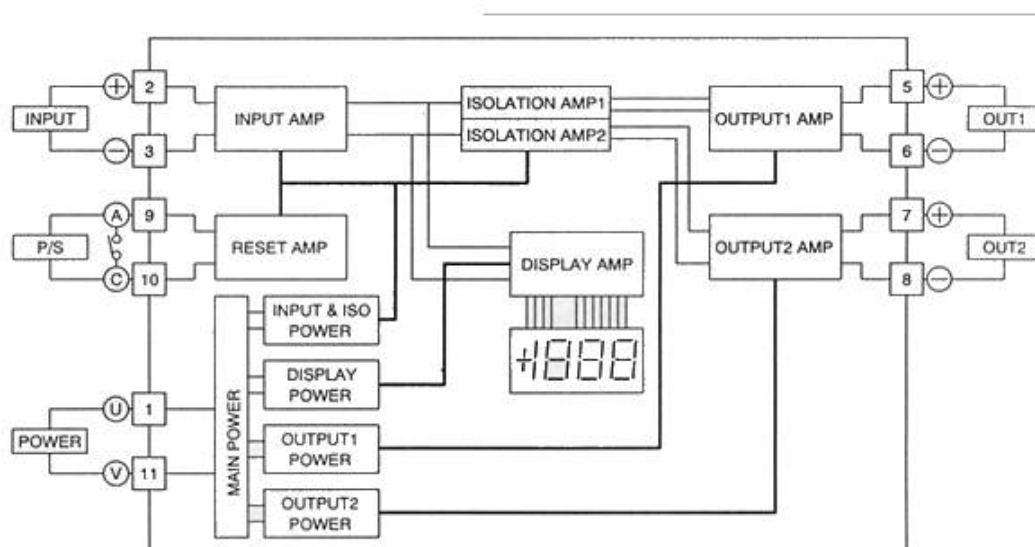
- Power Supply : AC 110V or 220V/60Hz (3VA), DC 18~30V (about 3Watts)
- Operating Temperature : 0~50 $^{\circ}\text{C}$
- Operating Humidity : 90% RH Max. (Non-Condensing)
- Mounting : Wall or Rail Mounting (Plug-in type)
- Dimension : 51(W) X 83(H) X 102(D) (Unit : mm)
- Weight : about 400g

♣ Ordering Information

Specify Code number and Variables

- Code No. : MT-PMT-Model/Input/Output1/Output2-Power (Ex : MT-PMT-418N-X)
- Specify Output Range (Ex : 0~20mA)

♣ Schematic Diagram



♣ Model & Suffix Code

MT-PMT-□□□□-□

Model Type Selection

- 1 : 1 Output without Display
- 2 : 2 Outputs without Display
- 3 : 1 Output with Display
- 4 : 2 Output with Display

Input Type & Range Selection

- 1 : 2-wire 100~100k Ω
- 2 : 3-wire 100~100k Ω
- 3 : Other Special Type

Output Type & Range Selection

- 1 : DC 0~10mV (Resistance 10k Ω or More)
- 2 : DC 0~100mV (Resistance 100k Ω or More)
- 3 : DC 0~5V (Resistance 5k Ω or More)
- 4 : DC 0~10V (Resistance 10k Ω or More)
- 5 : DC 1~5V (Resistance 5k Ω or More)
- 6 : DC 0~1mA (Resistance 0~15k Ω)
- 7 : DC 0~20mA (Resistance 0~750 Ω)
- 8 : DC 4~20mA (Resistance 0~750 Ω)
- 9 : Other Special Spec.
- N : No Output (Only Output 2)

Power Supply

- W : AC 200~230V for 60Hz
- X : AC 100~120V for 60Hz
- Y : DC 18~30V
- Z : Other Special Spec.

♣ Dimension

