

Isolated DC to Frequency Transducer

MT-DFT

The Model MT-DFT converts various instrumentation signal typically from electromagnetic flow-meters and area flow-meters into a pulse rate output. (included pulse divider)

♣ 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
- Insulation Resistance : 100M Ω 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
- Display : 3 Digits (available Decimal Point)

♣ Installation

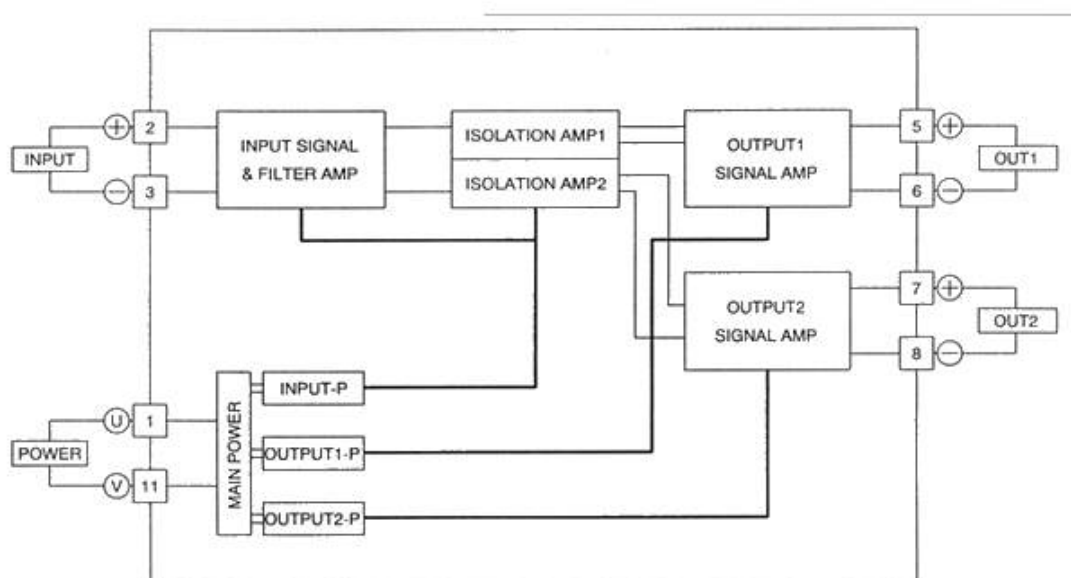
- Power Supply : AC 110V or 220V/60Hz(3VA), DC 18~30V (about 3Watts)
- Operating Temperature : 0~50 $^{\circ}\text{C}$
- Operating Humidity : 90% RH Max. (Non-Condensing)
- Mounting : Wall or Rail Mounting (Plug-in type), Rack Mounting
- Dimension : 51(W) X 83(H) X 102(D) (Unit : mm)
- Weight : about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

♣ Ordering Information

Specify Code number and Variables.

- Code No. : MT-DFT-Model/Input/Output-Power (Ex : MT-DFT-418-X)
- Specify Input Range (Ex : Special Voltage or Current)
- Specify Output Range (Ex : 0~500Hz)

♣ Schematic Diagram



♣ Model & Suffix Code

MT-DFT-□□□-□

Model Type Selection

- 1 : 1 Output without Display
- 2 : 1 Output with Display

Input Type Selection

- 1 : DC 0~5V (Resistance 1M Ω or more)
- 2 : DC 0~10V (Resistance 1M Ω or more)
- 3 : DC 1~5V (Resistance 1M Ω or more)
- 4 : DC 0~1mA (Resistance 1k Ω fixed)
- 5 : DC 0~20mA (Resistance 250 Ω fixed)
- 6 : DC 4~20mA (Resistance 250 Ω fixed)
- 7 : Other Special Spec.

Output Type & Range Selection

- 1 : Voltage Pulse
- 2 : Current Pulse
- 3 : Open Collector
- 4 : Dry Contact
- 5 : Other Special Spec.

Power Supply

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

♣ Dimension

