Model PM706, Digital Temperature Panel Meter

Model PM706 Digital Temperature Meter monitors and displays temperature measurements using a Type K thermocouple input. Meter features dual adjustable set points with 1A relays and a selectable 4-20 mA or 0-10 VDC output signal. View alarm settings by depressing the tactile alarm button on the front panel. The bright red LED display has a floating decimal point and displays temperature in °F or °C. Meter is equipped with overrange indication to alert operator of an open thermocouple or faulty connections. Sealed front panel is rated to NEMA 12 to protect against dust and fluids.

SPECIFICATIONS

Temperature Range: -148 to 1999°F (-100 to 1200°C).
Input: Type K thermocouple.
Output: Dual alarm rated 1A @ 250VAC, 4-20 mA with 8V max compliance or 0-10 VDC 1 kΩ min.
Power Requirements: 115/230 VAC, ±10%, 50/60 Hz.
Power Consumption: 7 W.
Accuracy: ±2% at 23°C ambient.
Display: 4-digit, red, 1/2˝ digits.
Resolution: 1°F/°C.
Operating Temperature: 32 to 122°F (0 to 50°C).
Ambient Temperature Effect: +0.01% of rdg., -0.05° per degree.
Temperature Coefficient: ±100 ppm/°C.
Set Point Adjustment: 0 to 2000 counts, adj. within 5 counts or better.
Read Rate: 2.5 readings/sec.
Weight: 1 lb (500 g).
Front Panel Rating: 1/8 DIN, NEMA 12.

Suggested Specifications
Temperature meter shall have dual relay alarms and selectable 4-20 mA or 0-10 VDC analog output. Temperature shall be displayed in °F/°C (selectable). The housing shall be suitable for NEMA12 service. Meter shall be Dwyer® Model No. PM706.

Model A-701, Digital Panel Meter

Model A-701 Digital Panel Meter

1/8 DIN Housing, Integral Power Supply

3-1/2 digit, 0.6˝ high LED display is combined with an integral 24 VDC power supply to provide a complete digital indicating system when used with Dwyer 2-wire transmitters. Standard unit is supplied to read 0-100.0% and is field adjustable from 1.999 to 1999 for readout of actual engineering units. Panel mounting hardware included. 1/8 DIN size: 1.64˝H X 3.59˝W X 4.13˝D.

SPECIFICATIONS

Power Requirements: 120 VAC ±15%, 50/60 Hz.
Input Impedance: 40 ohms.
Accuracy: ±0.05% of reading.
DC Output: 24 VDC regulated.
Maximum Current Output: 50 mA.
Operating Temperature: 32 to 122°F (0 to 50°C).
Power Consumption: 6 watts.
Weight: 12 oz (340 g).

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