

1/8 DIN Precision Thermistor Meter/Controller

DP25-TH Series

Product Discontinued



DP25-TH shown actual size.

- ✓ Thermistor Input (8 Types)
- ✓ 4-Digit Display
- ✓ °C/°F Switchable
- ✓ Peak and Valley Recall
- ✓ Dual Programmable Setpoints
- ✓ Optional Analog Output
- ✓ Optional Latching/Non-Latching Relays
- ✓ NEMA 4 Front Bezel

The DP25-TH Series combines the features of a controller, monitor, and temperature limit alarm into one easy-to-use digital meter for applications that require maximum versatility. The DP25-TH accepts most popular thermistor inputs, such as Series 400 and 700 sensor inputs, and is highly accurate. Optional dual form "C" relays for control or alarm are available. Relay models offer the choice of linear or proportional analog output.

Specifications

Input: 44004 (2252 Ω), 44005 (3000 Ω), 44006 (10,000 Ω), 44007 (5000 Ω), 44016 (10,000 Ω) -112 to 302°F, 44008 (30,000 Ω) -40 to 302°F, 44018, 700 linear thermistor composite, -22 to 212°F [resistance at 25°C (77°F)]

Outputs: 2 form "C" (SPDT) relays, rated 5 A, 250 Vac; programmable for active high/low alarms with latching/non-latching relays

Relay Hysteresis: Programmable from 0 to 9999

Accuracy: 0.2°C (0.36°F) after 30 minute warm-up

Temperature Coefficient: ±50 ppm/°C

Read Rate: 3/s

Step Response: 2 s

Power: 115 Vac, 230 Vac, 10 to 32 Vdc, 26 to 56 Vdc; 6 W; 240 Vrms overvoltage protection

Isolation: Dielectric strength to 2500V transient per 3 mm spacing based on EN 61010 for 260 Vrms or DC

NMR: 60 dB

CMR: 120 dB

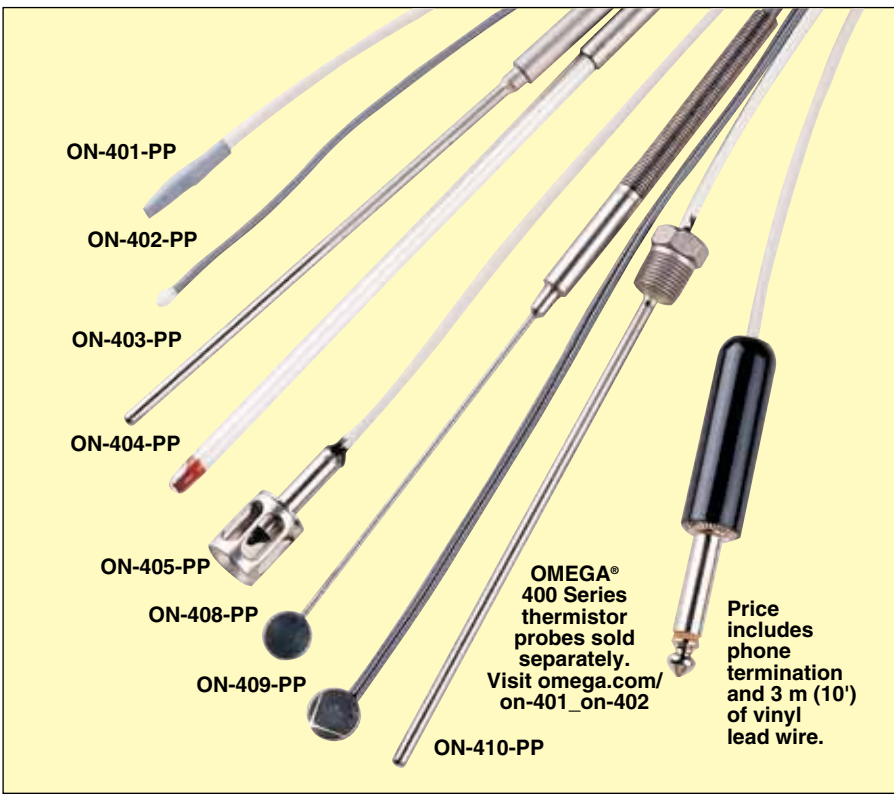
Operating Temperature: 0 to 50°C (32 to 122°F)

Storage Temperature: -40 to 85°C (-40 to 185°F)

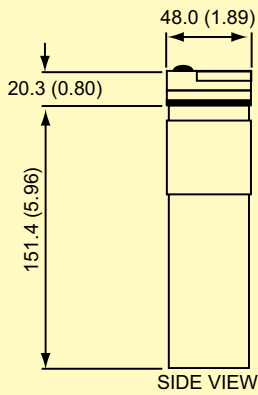
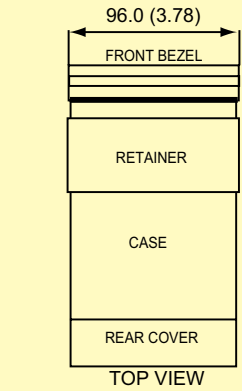
Analog Output: Scalable 0 to 10 Vdc or 4 to 20 mA; optional

Dimensions: 48 H x 96 W x 152 mm D (1.89 x 3.78 x 6.0")

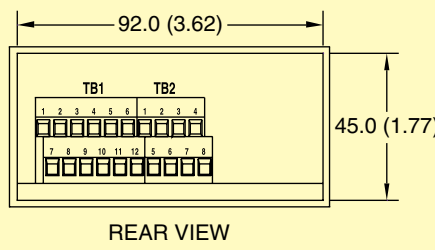
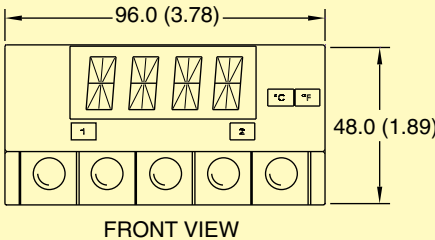
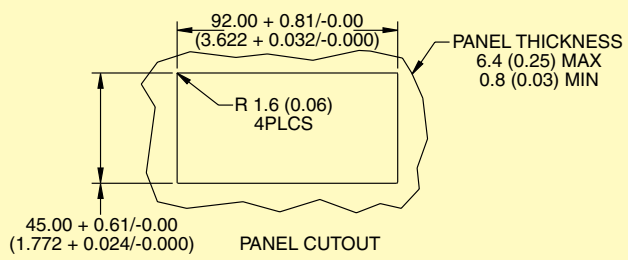
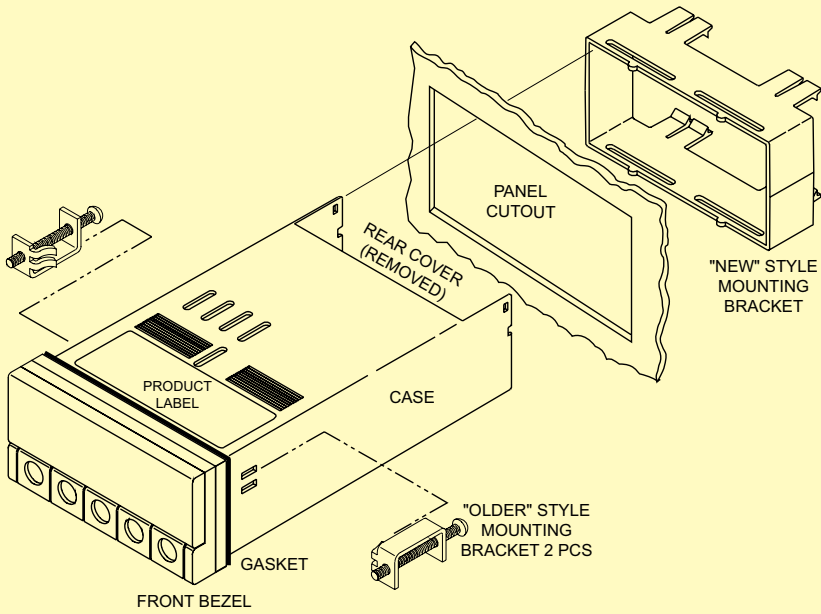
Panel Cutout: 45 H x 92 mm W (1.772 x 3.622")



Dimensions: mm (inch)



Panel Punches Available, Visit omega.com/panelpunches



To Order Visit omega.com/dp25-th for Pricing and Details

Model No.	Description
DP25-TH	Thermistor

Comes complete with operator's manual.

Display and Output Options* (Additional cost)

Order Suffix	Description
-GN	Green display (N/C)
-A	Analog output
-AI-R	Isolated analog output and relays
-R	Dual 5 A relays
-AR	Analog output and relays

Power Options* (Additional cost)

Order Suffix	Power
-230	230 Vac (N/C)
-DC10/32	10 to 32 Vdc
-DC26/56	26 to 56 Vdc

* Not field installable.

Ordering Example: DP25-TH-AR-DC10/32, thermistor indicator, low-voltage power, analog output and dual 5 A relays.

