



Series
LTI

Temperature Panel Meter

1/8 DIN, Large Dual-Line Display



The Series LTI Temperature Panel Meters can be configured in a variety of configurations to provide visual indication and control of a process temperature. Field pluggable modules are available to add additional relay outputs, digital I/O ports, and serial communications. Utilizing an easy-to-read, dual 6-digit display, more descriptive programming parameters are displayed to simplify initial setup. A set of parameters can be copied from one panel meter to another for applications that require multiple panel meters programmed with the same parameters. The industry standard 1/8 DIN housing can be panel mounted or mounted in one of the NEMA 4X panel meter enclosures. All of the Series LTI panel meters come with universal thermocouple and RTD inputs.

Model	Description
LTI-100	85 to 265 VAC, no relays, no transmitter
LTI-101	85 to 265 VAC, no relays, 4 to 20 mA transmitter
LTI-120	85 to 265 VAC, 2 relays, no transmitter
LTI-121	85 to 265 VAC, 2 relays, 4 to 20 mA transmitter
LTI-140	85 to 265 VAC, 4 relays, no transmitter
LTI-141	85 to 265 VAC, 4 relays, 4 to 20 mA transmitter
LTI-200	12 to 24 VDC, no relays, no transmitter
LTI-201	12 to 24 VDC, no relays, 4 to 20 mA transmitter
LTI-220	12 to 24 VDC, 2 relays, no transmitter
LTI-221	12 to 24 VDC, 2 relays, 4 to 20 mA transmitter
LTI-240	12 to 24 VDC, 4 relays, no transmitter
LTI-241	12 to 24 VDC, 4 relays, 4 to 20 mA transmitter

SPECIFICATIONS

Inputs: Thermocouple J, K, T, E, R, S, B, N, C; RTD 100 Ω platinum, 10 Ω copper, 120 Ω nickel, 1000 Ω platinum.

Input Impedance: Greater than 100 kΩ.

Output: 4 to 20 mA.

Power Requirements: 85 to 265 VAC 50/60 Hz, 90 to 265 VDC or jumper selectable 12 to 24 VDC ±10%.

Power Consumption:

90 to 265 VAC models: 20 W max;

12 to 24 VDC models: 15 W max.

Switch Rating: 2 or 4 SPDT (Form C) internal and/or 4 SPST (Form A) external; Rated 3A @ 30 VDC and 125/250 VAC resistive load, 1/14 HP @ 125/250 VAC for inductive loads.

Display: Dual-line, 6-digit display.

Resolution: 1° (up to four digits) or 0.1° (up to five digits).

Temperature Limits:

Operating: -4 to 149°F (-20 to 65°C);

Storage: -40 to 185°F (-40 to 85°C).

Humidity Limits: 0 to 90% (non-condensing).

Front Panel Rating: NEMA 4X, IP65.

Weight: 9.5 oz (269 g).

Agency Approvals: CE, RoHS, cUL, UL.

Input Range and Accuracy

Type	Range (°F)	Range (°C)	Accuracy	Type	Range (°F)	Range (°C)	Accuracy
J	-200 to 2000	-129 to 1093	±1°C	N	-100 to 2300	-73 to 1260	±2°C
K	-200 to 2400	-129 to 1316	±1°C	C	32 to 4100	0 to 2260	±2°C
T	-200 to 752	-129 to 400	±1°C	10 Ω	-328 to 500	-200 to 260	±0.1°C
E	-200 to 1800	-129 to 982	±1°C	100 Ω	-328 to 1562	-200 to 850	±0.4°C
R	-50 to 3000	-46 to 1649	±2°C	120 Ω	-110 to 500	-79 to 260	±0.1°C
S	-50 to 3000	-46 to 1649	±2°C	1000 Ω	-328 to 900	-200 to 482	±0.4°C
B	752 to 3300	400 to 1816	±2°C				

Accessories: See page 349 (Series PMA)
Enclosures: See page 350 (Series PME)