

Portable 6-Station Temperature Monitor



Design Features

- * Thermocouple calibrations available are K, or J linearized in four sections for good accuracy.
- * RTD Cold Junction compensates accurately for ambient temperature changes as fast as 2°/min.
- * High Impedance Circuit allows use of probes with up to 1000 ft. of 24 ga. wire; several transformer-isolated monitors can connect to the same probe.
- * 1/2" High LCD Display is sunlight readable.
- * Powered by 9V alkaline "transistor" battery.
- * Durable Rotary Selector for displaying 6 thermocouple inputs.
- * Large Pointer Selector Knob clearly indicates the monitored location.
- * Polymer-Coated Circuit will perform indefinitely even in high humidity environments.
- * Made in the United States and warranted against material or workmanship defects for 1 year.

Multi-Station Portable Thermocouple Monitor

These thermocouple monitors were designed to assist field technicians with testing or calibrating HVAC/refrigeration systems, baking/curing ovens, motors, engines, and much more. Instant response circuits allow a technician to compare up to 6 temperature probes quickly.

These circuits have been optimized to deliver accuracy and stability over a wide environmental range. The durable carrying case is compact and features a compartment for storing wire and probes.

Specifications

Display Range:	-199 to 1999 °F or °C
Measuring Accuracy:	±1/2% of reading ±1°
Ambient Oper. Temp.:	-5° to 140°F (-21° to 60°C)
Relative Humidity:	90% max., non-condensing
Cold Junction Offset:	1° max. for 32° to 110°F (0° to 43°C)
Display Updates:	3 times per second
LCD Height:	0.5" (12.7 mm) high
Construction:	High-density polyethylene case, aluminum panel with meter and miniature thermocouple jacks
Dimensions:	12" x 8" x 3"
Power Requirement:	9 Vdc (9V "transistor" alkaline battery)
Weight:	2.0 lb. (0.9 kg.)

DISPLAY RANGE

Thermocouple Type	°F		°C	
	Min.	Max.	Min.	Max.
J-Fe/Constantan	-60	1400	-50	750
K-Chromel™/Alumel™	-60	1999	-50	1100

TEMPERATURE MONITORS

No. of Inputs	Scale	Thermocouple	
		J	K
6	°F	DTM30010	DTM30015
6	°C	DTM30020	DTM30025

Ordering Information

Choose the Part Number of the **Temperature Monitor** that best fits the needs of your application.

A **120 Vac model** (with optional LED display) is available; please consult Tempco for order information.

Standard lead time is stock to 3 weeks.