

### 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.

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.**

#### Specifications

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