

# ACCURATE

## Digital Thermometers



**Dual Input  
DTM 307**

**Features:**

- 50°C-1300°C (-58°F-2000°F)
- 3 1/2 Digit LCD display
- K-type thermocouple
- Function and unit sign display °C or °F annunciators
- Dual thermocouple input
- Differential temperature (T1-T2)
- Front panel offset adjustment
- Maximum record
- Reading hold
- Automatic low battery indication
- Overrange indication



**Single Input  
DTM 305**

**Features:**

- 50°C-1300°C (-58°F-2000°F)
- 3 1/2 Digit LCD display
- K-type thermocouple
- Reading Hold °C or °F annunciators
- Single thermocouple input
- Switchable resolution 0.1° / 1.0°
- Front panel offset adjustment
- Automatic low battery indication
- Maximum record
- Overrange indication





# ACCURATE DIGITAL THERMOMETERS

Single input



DTM 305

Dual input



DTM 307

A highly rugged and accurate thermometer which is ideal for the temperature measurement, checking freezing equipment and science laboratory or industrial use. Additional features include display reading hold and maximum record hold facility.

A sturdy and well constructed hand-held light weight thermometer that's made to last! This rugged unit is also well protected by a tough protective holster. In addition it features a dual thermocouple input for differential temperature measurements.

Specifications	Model	
	305	307
Input	Single	Dual
Measurement Range	-50°C to 1300°C (-58°F to 2000°F)	
Operating Range	For use in 0°C to 50°C (32°F to 122°F) environment	
Accuracy (18°C to 28°C ambient)	±(0.3% rdg + 1°C), -50°C to 1000°C ±(0.5% rdg + 1°C), 1000°C to 1300°C ±(0.3% rdg + 2°F), -58°F to 2000°F The accuracy specification does not include type K thermocouple probe accuracy.	
Temperature Coefficient	Less than 0.1 times the applicable accuracy specification per °C. From 0°C to 18°C and 28°C to 50°C.	
Temperature Scale	Celsius or Fahrenheit user-selectable	
Resolution	1°C or 1°F (or 0.1°C or 0.1°F)	
Sensor	K-type thermocouple	
Sampling Rate	3 times/per second	
Operation Function	<ul style="list-style-type: none"> <li>• Data Hold</li> <li>• °C or °F Selectable</li> <li>• 0.1°/1° display resolution selectable</li> </ul>	<ul style="list-style-type: none"> <li>• 2 points (T1, T2) selectable display</li> <li>• Differential measurement between 2 points (T1, -T2)</li> <li>• Data Hold</li> <li>• °C or °F selectable</li> </ul>
Size	5.8" x 2.8" x 1.5" (147mm x 70mm x 39mm)	
Weight	13.8oz (395g) including battery	
Power	9V battery 200hrs.	
Accessories	<ul style="list-style-type: none"> <li>• Battery</li> <li>• Protective Rubber Holster</li> <li>• Operator's Manual</li> <li>• 4 foot type "K" thermocouple bead probe (TPK-01)</li> </ul>	
Input Protection	Maximum input 60V DC or 24V rms AC	
Display	<ul style="list-style-type: none"> <li>• 3-1/2 digit LCD</li> <li>• DH (Data Hold)</li> <li>• Display units: °C, °F</li> <li>• Overrange indicator: □L</li> <li>• Low battery indicator: □</li> </ul>	<ul style="list-style-type: none"> <li>• 3-1/2 digit LCD</li> <li>• Input selection: T1, T2, T1-T2</li> <li>• DH (Data Hold)</li> <li>• Display units: °C, °F, T1, T2, T1-T2</li> <li>• Overrange indicator: □L</li> <li>• Low battery indicator: □</li> </ul>

## Type K thermocouple probe (Option)

Model	Measuring Range	Description
TPK-01 Bead Probe	-50°C~-200°C/-58°F~-392°F	For measuring surface or air temperatures. 4ft. wire with an industry standard miniature connector plug.
TPK-03 Immersion Probe	-50°C~-800°C/-58°F~-1472°F	General purpose needle type with stainless sheath. For measuring liquid or gel.
TPK-04 Surface Probe	-50°C~-800°C/-58°F~-1472°F	Fast response probe. Ideal for measuring the surface temperature of small electronic parts.



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