



# Checktemp

710-5757

With Stainless Steel Penetration Probe

### Environment Friendly

**Checktemp** is destined to make glass thermometers obsolete. Glass thermometers are hazardous to the user and to the environment. The glass contains lead and the measurement media is either mercury or alcohol. These materials are undesirable in today's workplace. The comparative chart below clearly shows that a **Checktemp** thermometer is the wisest choice for your routine temperature measurements.

**Checktemp** is an all-in-one unit that combines a probe and a meter. The probe is an NTC thermistor, housed in a stainless steel shaft. The shaft has a pointed tip for easy penetration in frozen or semi-solid materials. **Checktemp** provides highly accurate temperature measurements in a very short period of time.

### World's First Calibration Check Feature

The users of glass thermometers do not worry about the accuracy of their thermometers because the method of measurement is physical liquid expansion. The largest problem associated with electronic thermometers is the stability of the circuitry that measures the temperature. For this reason users are hesitant to trust electronic thermometers. To overcome this, a **calibration test device** has been incorporated into the meter. At the touch of a button **Checktemp** displays  $0.0^{\circ}\text{C} \pm 0.3$  ( $32.0^{\circ}\text{F} \pm 0.5$ ). This assures the user that the reading is reliable and accurate.

Theoretical Temperature		Checktemp Reading	
(°C)	(°F)	(°C)	(°F)
-30.0	-22.0	-29.7	-21.5
-20.0	-4.0	-19.9	-3.8
-10.0	+14.0	-9.9	+14.2
0.0	+32.0	0.0	+32.0
+10.0	+50.0	+9.9	+49.8
+20.0	+68.0	+20.1	+68.2
+30.0	+86.0	+30.0	+86.0
+50.0	+122.0	+50.2	+122.4
+60.0	+140.0	+60.1	+140.2
+90.0	+194	+89.8	+193.6
+100.0	+212	+99.6	+211
+120.0	+248	+119.8	+248
+140.0	+284	+139.7	+283
+150.0	+302	+149.4	+301

Feature	Checktemp	VS.	Glass/Mercury
Durability	Rugged ABS housing		Made of glass
Ease of transport	No protection required		must be protected
Response time	20 seconds MAX		2 to 5 minutes
Easy to read	LCD readable at any angle		difficult to read
Hazardous waste	None		Leaded glass, mercury or alcohol
Applications	liquid, air, semi-solids, frozen material		liquid, air



SPECIFICATIONS	Checktemp C	Checktemp F
RANGE	-50.0 to +150.0°C	-58.0 to +302°F
RESOLUTION	0.1°C	0.1°F (-58.0 to 199.9°F) 1 °F (200 to 302°F)
ACCURACY	$\pm 0.3^{\circ}\text{C}$ (-20 to +90°C) $\pm 0.5^{\circ}\text{C}$ (-50 to -20°C & +91 to +150°C)	$\pm 0.5^{\circ}\text{F}$ (-4 to +194°F) $\pm 1^{\circ}\text{F}$ (-58 to -4 & +195 to 302°F)
ENVIRONMENT	From 0 to 50°C (32 to 122°F); 95% RH	
BATTERY TYPE/LIFE	1 X 1.4V battery / 3000 hours of continuous use	
DIMENSIONS	66 x 50 x 25 mm (2.6 x 2.0 x 1")	
WEIGHT	50 g (1.8 oz.)	
PROBE	Stainless steel, 105mm x 3mm diameter with a protective cap	

### Factory Calibration Certificates

If you require your thermometer to be calibrated against an NIST standard, add an "N" to the end of the code when ordering.

Checktemp C/N = Meter with Factory Calibration Certificate  
 Checktemp F/N = Meter with Factory Calibration Certificate