Checktemp® 1

with Remote Stainless Steel Probe

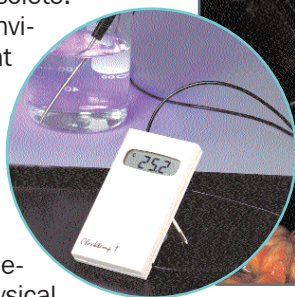## Features ...

Accurate and affordable

Checktemp® 1 is a high accuracy thermometer with a 1 m (3.3') cable between the meter and the probe. The stainless steel probe is perfect for fast response in liquids, air, frozen and semisolid materials. The probe utilizes a high-tech NTC thermistor sensor to measure the temperature. Thermistors make it possible to obtain extremely high accuracy in a very short period of time. *Checktemp® 1* is available in °C and °F versions.

Environment Friendly

Checktemp® 1 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 comparison chart here clearly shows that a *Checktemp® 1* thermometer is the wisest choice for your routine temperature measurements.

World's First Calibration Check Feature

Glass thermometer users do not worry about their thermometers' accuracy because the method of measurement is physical liquid expansion. The biggest problem associated with electronic thermometers is the stability of the circuitry that measures the temperature. For this reason, some users are hesitant to trust electronic thermometers. To overcome this, a calibration test device has been incorporated into the meter so that at the touch of a button *Checktemp® 1* displays 0.0°C ±0.3°C (32.0°F ±0.5°F). This assures the user that the reading is reliable and accurate, every time.

... and Benefits

Typical Accuracy Table

Theoretical Temperature		*Checktemp®*1 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	+194.0	+89.8	+193.6
+100.0	+212.0	+99.6	+211.0
+120.0	+248.0	+119.8	+248.0
+140.0	+284.0	+139.7	+283.0
+150.0	+302.0	+149.4	+301.0

Specifications	*Checktemp® 1* C	*Checktemp® 1* 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 (@20°C/68°F)	±0.3°C (-20 to 90°C) / ±0.5°C (outside)	±0.5°F (-4 to 194°F)/±1°F (outside)
Typical EMC Deviation	±0.3°C	±0.5°F
Probe	Stainless steel, 160 mm (6.29") x 3 mm (0.12") diameter with 1 m (3.3') cable	
Battery Type / Life	1 x 1.5V AAA / approximately 3000 hours of continuous use	
Environment	0 to 50°C (32 to 122°F); RH 95%	
Dimensions	106 x 58 x 19 mm (4.2 x 2.2 x 0.7")	
Weight	80 g (2.8 oz.)	

Factory Calibration Certificates

If your application requires a thermometer that is traceable to a NIST standard, select a factory certified Hanna thermometer.

Ordering Information

HI 98509 (*Checktemp® 1* C) is supplied complete with 1.5V AAA battery and instructions.
HI 98511 (*Checktemp® 1* C) is supplied complete with 1.5V AAA battery, protective cap, **factory calibration certificate** and instructions.
HI 98510 (*Checktemp® 1* F) is supplied complete with 1.5V AAA battery and instructions.
HI 98512 (*Checktemp® 1* F) is supplied complete with 1.5V AAA battery, protective cap, **factory calibration certificate** and instructions.

Accessories

HI 740024   Base for *Checktemp® 1*

HANNA instruments