SPECIFICATIONS:

	HI145-00 HI145-20 °C	HI145-01 HI145-30 °F
Range	-50.0 to 220°C	-58.0 to 428°F
Resolution	0.1°C(-50 to199°C) 1°C(200 to 220°C)	0.1°F(-20.0 to 199°F) 1°F (200 to 428°F)
Accuracy	±0.3°C (-20 to 90°C) ±0.4% F.S.(outside)	±0.5°F (-4 to 194°F) ±0.4% F.S.(outside)
Typical EMC Deviation	±0.3°C	±0.5°F
Battery Type	Alkaline 1 x 1.5V AAA type	
Battery Life	approx. 10,000 hours of continuous use	

Dimensions
HI145-00/HI145-01 92x165x38 mm (3.6x6.5x1.5")
HI145-20/HI145-30 92x340x38 mm (3.6x13.4x1.5")

SUGGESTIONS FOR USERS:

Before using this product, make sure that it is entirely suitable for the environment in which it is used. Operation of this instrument in residential areas could cause interference to radio and TV equipment. Any variation introduced by the user to the supplied equipment may degrade the instrument's EMC performance. To avoid electrical shocks, do not use this instrument when voltage at the measurement surface exceeds 24 VAC or 60 VDC. To avoid damage or burns, do not perform any measurement in microwave ovens.

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http://www.hannainst.com

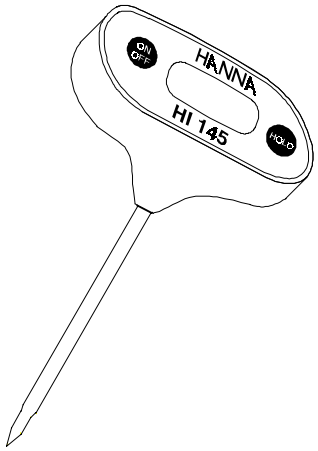
HANNA instruments

ISI45NEW-R1 09/00

Instruction Manual

HI145-00
HI145-01
HI145-20
HI145-30

Rugged Waterproof Thermometers



HANNA instruments

Manufacturers since 1978

CE

The **HI145** series of thermometers are available in two versions:

HI145-00 (Celsius) and **HI145-01** (Fahrenheit) have been especially designed for penetration of semi-solids (such as frozen food). The stainless steel probe is 125 mm (5") long and has a 5mm (0.2") diameter.

HI145-20 (Celsius) and **HI145-30** (Fahrenheit) have been especially designed for temperature measurement of hot liquids. The stainless steel probe is 300mm (12") long and has a 5mm (0.2") diameter.



OPERATION:

- Turn the **HI145** on. "CAL" will appear on the LCD, to indicate an automatic calibration check. Subequent to a successful calibration check, the LCD will display "-0-". If the calibration check is unsuccessful, the LCD will display "ERR", which means the meter requires factory calibration. After calibration check, the meter will automatically enter in the normal measurement mode.



- Introduce the **HI145** probe to the sample.
- Thanks to its special shape, **HI145-00** (or **HI145-01**) can be very easily inserted into semi-solid samples. A minimum immersion level of 4 cm (1½") is recommended.



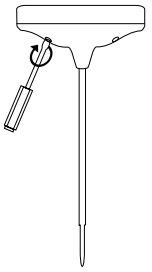
- Wait for a few seconds for the display to stabilize.
- To freeze the display, press the hold button. A blinking M appears on the right side of the LCD to indicate that reading has been memorized. Press either the HOLD or ON/OFF button to return to normal measurement mode.



- When not in use, switch the **HI145** off, or else the meter will automatically switch off itself after 8 minutes.
- Variations in readings or fading display can indicate a weak battery (see below).

BATTERY REPLACEMENT:

When the **HI145** cannot be switched on or the display fades, unscrew the two screws to gain access to the battery compartment. Change the 1.5V AAA type battery, paying attention to its polarity.



Battery should only be replaced in a safe area using an alkaline type.

PROTECTIVE CAP:

With the thermometer, is supplied with a protective cap, which can also be used to hold the thermometer on the side of a vessel.

