



Waterproof K-Type Thermocouple Thermometers, 0.1° up to 999.9°C/°F

HI 93530 and HI 93530N are waterproof thermometers that use a powerful microprocessor to linearize the response of the thermocouple to achieve high accuracy and resolution.

These instruments can read with a resolution of 0.1 in the -149.9 to 999.9°C and -24.9 to 999.9°F ranges.

The meters are equipped with a HOLD function that freezes the current reading on the LCD.

A °C/°F button will change between the Celsius and Fahrenheit ranges. An important feature where measurements are necessary in degrees Celsius as well as Fahrenheit.

HI 93530N has a CAL button to allow the operator to calibrate the meter and probe in an ice bath at 0°C. This will assure the removal of the combined meter and probe interchange error.

In addition to the calibration feature, HI 93530N features a user-activated backlight for low light conditions.

Remaining battery power is displayed at startup and a low battery warning signal and error prevention provides advanced power management to both instruments.

A wide range of thermocouple probes are available for applications such as liquid, air and semisolids.

Specifications

HI 93530 / HI 93530N	
Range	-200.0 to 999.9°C; 1000 to 1371°C; -328.0 to 999.9°F; 1000 to 2500°F
Resolution	0.1°C (-149.9 to 999.9°C); 0.2°C (-200.0 to -150.0°C); 1°C (outside) 0.1°F (-24.9 to 999.9°F); 0.2°F (-249.9 to -25.0°F); 0.3°F (-328.0 to -250.0°F); 1°F (outside)
Accuracy	±0.5°C (-100.0 to 999.9°C); ±1°C (outside); ±1°F (-148.0 to 999.9°F); ±1.5°F (outside) (for 1 year, excluding probe error)
Probe	K-thermocouple type, HI 766 series (not included)
Battery Type / Life	3 x 1.5V AA / approx. 500 hours of continuous use (with backlight off); auto-off after 60 minutes of non-use (can be disabled)
Environment	-10 to 50°C (14 to 122°F); RH max 100%
Dimensions	150 x 80 x 36 mm (5.9 x 3.1 x 1.4")
Weight	235 g (8.3 oz.)

Accessories

HI 766C	Penetration K-type temperature probe with 1 m cable	HI 710007	Shockproof rubber boot, blue
HI 766D	Air K-type temperature probe with 1 m cable	HI 710008	Shockproof rubber boot, orange
HI 766E1	General purpose K-type temperature probe with 1 m cable	HI 710018	Spare protective case

For a complete range of temperature probes, see section P. For accessories, see section U.

Ordering Information

HI 93530 is supplied complete with batteries, protective case and instructions.

HI 93530N is supplied complete with batteries, protective case and instructions.