



## 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.