



Dual-Input, Waterproof K-Type Thermocouple Thermometers

Engineering tests often require two samples to be measured simultaneously. For this reason, HI 93532 has two built-in K-type probe connectors. This advanced meter has a dual-level display that shows the current reading along with the high and low temperatures in either channel. You can also see the difference between the two channels simultaneously with the high and low of the difference. Any reading can be frozen on the display for easy recording with the HOLD button.

HI 93532 reads with a resolution of 0.1°C in the range of -149.9 to 999.9°C, once only possible in sophisticated bench equipment used in research.

For even greater accuracy, the HI 93532N offers all the features of the HI 93532 plus a CAL button allowing simple calibration of the meter and probe with an ice bath at 0°C.

HI 93532N also features a backlight for low light conditions.

In addition, the HI 93532R model allows users to send the displayed measurement to a PC or printer through RS232 serial port (once every 2 seconds).

K-type thermocouple probes should be ordered separately to meet your specific application.

Specifications

HI 93532 / HI 93532N / HI 93532R	
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)
PC Connection	RS232 serial port (HI 93532R only)
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
		HI 92000	Windows® compatible software
		HI 920011	Serial cable for PC connection

Ordering Information

HI 93532 is supplied complete with batteries, protective case and instructions.

HI 93532N is supplied complete with batteries, protective case and instructions.

HI 93532R is supplied complete with batteries, protective case and instructions.

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