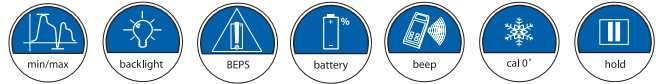


## Waterproof K, J, T-Type Thermocouple Thermometers



It is often necessary to take temperature measurements with different types of thermocouples (K-J-T). To make this possible, HANNA instruments® developed HI 93551 and HI 93551N, equipped with a button that switches between K-type, J-type or T-type thermocouples, giving them the power of 3 meters, all in one unit. These portable instruments can read with a resolution of 0.1 in an extended range of -149.9 to 999.9°C or -24.9 to 999.9°F; once only possible in sophisticated bench equipment used in research labs. The meters are also equipped with a dual-level LCD that shows measured high and low temperatures along with the current reading. To freeze the display for easy recording, simply press the HOLD button. A °C/°F button will toggle between Celsius and Fahrenheit. These instruments have a low battery warning feature and a Battery Error Prevention System (BEPS).



For even greater accuracy, HI 93551N features a CAL button to allow you 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.

HI 93551R also features RS232 output for transferring measurements (once every second) to devices with RS232 input (PC or printer).

HANNA instruments® offers a wide range of K-thermocouple probes to meet your specific application (HI 766 series).

### Specifications

		HI 93551 / HI 93551N / HI 93551R	
Range	K	-200.0 to 999.9°C and 1000 to 1371°C; -328.0 to 999.9°F and 1000 to 2500°F	
	J	-200.0 to 999.9°C; -328.0 to 999.9°F and 1000 to 1832°F	
	T	-200.0 to 400.0°C; -328.0 to 752.0°F	
Resolution	K	0.1°C (-149.9 to 999.9°C); 0.2°C (-200.0 to -150.0°C); 1°C (1000 to 1371°C); 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 (1000 to 2500°F)	
	J	0.1°C (-200.0 to 999.9°C); 0.1°F (-149.9 to 999.9°F); 0.2°F (-328.0 to -150.0°F); 1°F (1000 to 1832°F)	
	T	0.1°C (-149.9 to 400.0°C); 0.2°C (-200.0 to -150.0°C); 0.1°F (0.0 to 752.0°F); 0.2°F (-270.0 to -0.1°F); 0.3°F (-328.0 to -270.1°F)	
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 93551R 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 / Weight		150 x 80 x 36 mm (5.9 x 3.1 x 1.4") / 235 g (8.3 oz.)	

### Ordering Information

HI 93551 is supplied complete with batteries, protective case and instructions.

HI 93551N is supplied complete with batteries, protective case and instructions.

HI 93551R is supplied complete with batteries, protective case and instructions.

### 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

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