HI935005

K-Type Thermocouple Thermometers



- °C/°F Readout
  - Measurements can be displayed in either degrees Celsius or Fahrenheit. A simple press of the °C/°F button will switch between the scales.
- Interchangeable Probes
  - A wide range of K-type thermocouple probes are available to meet the specific needs of users. Any of the HI766 series of probes can be interchanged with the HI935005 to measure temperature of surfaces, gases, air, liquid, semi-solid samples, and more.
- High/Low Function
  - The maximum and minimum temperature values are continuously monitored and displayed on the lower portion of the HI935005 LCD display during a measurement session. The CLR button clears the high and low values on the LCD display.
- HOLD Function
  - The HOLD button on the face of the meter freezes the display to allow the user time to record readings. Although the display is frozen, the meter continues to internally monitor the temperature and update the high and low measurement values.
- Auto Shut-off
  - Users can select to enable automatic shut off after 8 or 60 minutes of non-use or select to disable the shut-off feature.
- Battery Error Prevention System (BEPS)
  - The Battery Error Prevention System detects when the batteries become too weak to ensure reliable measurements.
- Low Battery Indicator
  - When the battery level is below 10%, a warning symbol will blink to indicate low battery condition.

Specifications	HI935005	
Range	-50.0 to 199.9°C and 200 to 1350°C; -58.0 to 399.9°F and 400 to 2462°F	
Resolution	0.1°C (-50.0 to 199.9°C) and 1°C (outside); 0.1°F (-58.0 to 399.9°F) and 1°F (outside)	
Accuracy	±0.2% FS (excluding probe error)	
Probe	HI766 series K-type thermocouple (not included)*	
Battery Type / Life	1.5V AA (3) / approximately 1600 hours of continuous use; auto-off selectable after 8 or 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.)	
Ordering Information	**HI935005** is supplied with batteries and instruction manual.	
Probes	**HI766C**	Penetration, stainless steel K-type thermocouple temperature probe with 1 m cable
	HI766D	Air/gas, stainless steel K-type thermocouple temperature probe with 1 m (3.3') cable
	HI766E1	General purpose/penetration, stainless steel K-type thermocouple temperature probe with 1 m (3.3') cable
Accessories	**HI710007**	blue shockproof rubber boot
	HI710008	orange shockproof rubber boot

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

The HI935005 is a K-type thermocouple thermometer that can be used with a wide variety of K-type probes. This thermometer offers two measurement ranges from -50.0 to 199.9°C and 200 to 1350°C which can also be displayed in °F (-58.0 to 399.9°F and 400 to 2462°F). With a ±0.2% full scale accuracy, the HI935005 waterproof thermometers are perfectly suited for temperature measurements in the laboratory or the field.

Thermocouple probes begin on page 14.11