



# HI 8751 • HI 8752 • HI 8753

## Digital Thermometers

for Education

### Ideal for Classrooms or out in the Field

Temperature measurements in the low ranges (-40 to 150°C or -58 to 338°F) are usually performed with thermometers that use the physical expansion of liquids such as in glass and dial thermometers. In terms of accuracy, these thermometers usually read within  $\pm 1$  to  $\pm 5^\circ\text{C}$  ( $\pm 2$  to  $\pm 9^\circ\text{F}$ ) of the actual temperature. In order to achieve higher accuracy, the range must be reduced or the length of the thermometer must be increased. The HI 8751, HI 8752 and HI 8753 electronic thermistor thermometers resolve these problems.

These thermometers use a miniature silicon sensor and are pre-calibrated at the factory to measure a wide temperature range without the need to change probes. This type of sensor is highly accurate with a very fast response time. The sensor is housed in a rugged, stainless steel probe. This probe can be replaced without requiring recalibration.

A wide variety of interchangeable temperature probes (HI 765 series) for measurements in liquid, air and semi-solids are available.

- Simple to operate
- Wide range of probes available
- 3 Models to choose from



HI 765 Test Keys



HI 710002 Soft Carrying Case

#### SPECIFICATIONS

	HI 8751	HI 8752	HI 8753
Range	-40.0 to 150.0°C	-58 to 338°F	-40.0 to 150.0°C; -58 to 338°F
Resolution	0.1°C	1°F	0.1°C; 1°F
Accuracy	$\pm 0.5\%$ F.S. (for 1 year, excluding probe error)		
Probe	HI 765PW	HI 765BL	HI 765BL
	precalibrated, stainless steel, with 1 m (3.3') cable (included)		
Battery Type / Life	(1) 9V / approx. 300 hours of continuous use		
Environment	0 to 50°C (32 to 122°F); RH max 95%		
Dimensions	180 x 83 x 40 mm (7.1 x 3.3 x 1.6")		
Weight	265 g (9.3 oz.)		

#### ORDERING INFORMATION

HI 8751, HI 8752 and HI 8753 are supplied with precalibrated and interchangeable HI 765BL temperature probe, 9V battery and instruction manual.

#### PROBES

HI 765BL	General purpose/liquid temperature probe with 1 m cable
HI 765L/10	General purpose/liquid temperature probe with 10 m cable

HI 765PW Penetration temperature probe with 1 m cable

#### ACCESSORIES

HI 765-18C	Test key at -18.0°C
HI 765000C	Test key at 0.0°C
HI 765070C	Test key at 70.0°C
HI 710009	Shockproof rubber boot, blue
HI 710010	Shockproof rubber boot, orange
HI 710002	Soft carrying case
HI 721316	Rugged carrying case

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