



HI9564 • HI9565

Thermohygrometers

with Dew Point and Calibration Data-Logging Probe

- **HOLD feature**
 - Current measurement is frozen on the display (min/max values are updated internally)
- **BEPS**
 - Alerts the user of low battery power that could adversely affect readings
- **Backlight (HI9565 only)**
 - Backlit LCD

The HI9564 and HI9565 are two portable thermohygrometers designed to provide peak performance in harsh environments. For poorly lit areas the HI9565 features a backlit LCD.

In addition to RH and temperature, the HI9565 will display the dew point with the press of a button. With this feature the HI9565 permits quick and effective environmental monitoring where a controlled microclimate is necessary; these environments include greenhouses, museums, clean rooms and laboratories.

These instruments also feature a HOLD button to freeze the reading on the display for manual recording (min/max values are updated internally). BEPS (Battery Error Prevention System) alerts the user in the event that low battery power could adversely affect readings.

The HI70602 RH probe features a built-in microchip that stores the calibration data. When the probe is connected to another hygrometer, the microchip transfers the stored calibration data and eliminates the need to recalibrate the instrument.

Both instruments feature auto-off after 20 minutes of inactivity, temperature readings in Celsius and Fahrenheit, and display codes to indicate anomalies and direct procedures.

Specifications	HI9564	HI9565	
RH	Range	20.0 to 95.0% RH	20.0 to 95.0%
	Resolution	0.1% RH	0.1% RH
	Accuracy	±3% RH (50 to 85% RH and 15 to 40°C); ±5% RH (outside)	±3% RH (50 to 85% RH and 15 to 40°C); ±5% RH (outside)
Temperature	Range	0.0 to 60.0°C / 32 to 140.0°F*	0.0 to 60.0°C / 32 to 140.0°F*
	Resolution	0.1°C / 0.1°F	0.1°C / 0.1°F
	Accuracy	±0.5°C / ±1°F	±0.5°C / ±1°F
Dew Point	Range	-	-20.0 to 60.0°C / -4.0 to 140.0°F
	Resolution	-	0.1°C / 0.1°F
	Accuracy	-	±2°C / ±4°F (50 to 85% RH and 15 to 40°C); ±4.5°C / ±9°F (outside)
Additional Specifications	Probe	HI70602 thin-film polymer capacitance (TFPC) humidity probe, ABS body, perforated cap, internal temperature sensor with DIN connector and 1 m (3.3') cable (included)	
	Battery Type / Life	9V / approximately 250 hours of continuous use; auto-off after 20 minutes of non-use (can be disabled)	
	Environment	0 to 60°C (32 to 140°F); RH max 98% non-condensing	
	Dimensions	164 x 76 x 45 mm (6.5 x 3 x 1.8")	
	Weight	340 g (12 oz.)	
Ordering Information	HI9564 and HI9565 are supplied with HI70602 relative humidity probe, battery and instructions.		

Accessories begin on page 15.5

* Note: The meter measures temperature from -30 to 80°C, but the RH measurement can only be taken within the range 0 to 60°C.

