

Printing and Logging Thermo-Hygrometers



Specifications

		HI 9161C	HI 9161F	HI 91610C	HI 91610F
Range	RH	5.0 to 95.0%	5.0 to 95.0%	5.0 to 95.0%	5.0 to 95.0%
	Temperature	-20.0 to 60.0°C	-4.0 to 140.0°F	-20.0 to 60.0°C	-4.0 to 140.0°F
Resolution		0.1% RH / 0.1°C	0.1% RH. / 0.1°F	0.1% RH / 0.1°C	0.1% RH / 0.1°F
Precision		±2% RH / ±0.4°C	±2% RH. / ±1°F	±2% RH / ±0.4°C	±2% RH / ±1°F
Probes		HI 70604/2 RH probe with 2 m (6.6') cable (included) and HI 762L/2 temperature probe with 2 m (6.6') cable (included)			
Built-in Printer		low-consumption, plain paper 38 mm (1.5") large (HI 710034)			
Printing Interval		selectable at 1, 2, 5, 10, 15, 30, 60, 120 and 180 minutes			
Logging Interval	—	1, 2, 5, 10, 15, 30, 60, 120, 180 minutes			
PC Connection		— through serial port RS232 with HI 9200 IR interface			
Power Supply		4 x 1.5V AA batteries/ approx. 500 hours of use (with 60 minutes printing interval); auto-off after 5 minutes of non-use; or 12 Vdc input			
Environment		0 to 50°C (32 to 122°F); RH max 98% non-condensing			
Dimensions		220 x 82 x 66 mm (8.7 x 3.2 x 2.6")			
Weight		550 g (1.2 lb.)			

Accessories

HI 70604/2	RH probe, 2 m (6.6') cable	HI 7121/P	Spare saturation NaCl salts for high humidity calibration (33 g, 6 pcs)
HI 70604/5	RH probe, 5 m (16.5') cable	HI 762L/2	Temperature probe, 2 m (6.6') cable
HI 70606/2	RH probe with sintered cap and 2 m (6.6') cable	HI 9200/9	IR interface for PC connection
HI 70606/5	RH probe with sintered cap and 5 m (16.5') cable	HI 92000	Windows® compatible software
HI 7101	Calibration chamber	HI 710034	Paper roll (10 pcs)
HI 7102	Calibration chamber for probes with sintered cap	HI 710035	Ink cartridge (1 pc)
HI 7111/P	Spare saturation LiCl salts for low humidity calibration (15 g, 6 pcs)	HI 721317	Rugged carrying case

For accessories, see section U. For a complete list of RH probes, see page N14.

HI 9161 and HI 91610 are advanced portable, printing, thermo-hygrometers. These unique, lightweight meters give instant printouts of sample #, date and time of recording, printing interval, relative humidity and temperature at user-selectable intervals. R.H. and temperature measurements are with 0.1 resolution.

HI 91610 combines the high accuracy and portability of HI 9161 with extensive printing and logging features and an infrared RS232 data transfer system.

In addition to supplying the user with R.H. and temperature at the touch of a button, it also provides datalogging facilities that store information for transfer to a PC or for retrieval and/or printing at a later date. Sophisticated software allocates up to 8000 readings to maximize available space, regardless of what the logging interval is. The HI 9200 infrared transmitter is also available as an optional accessory.

HI 70604/5, RH probe with a 5 m (16.5') cable is also available for special applications.

Both models are available in two versions, for °C or °F readings.

Ordering Information

HI 9161C and HI 91610C, RH % and °C readings, are supplied complete with HI 70604/2 RH probe with 2 m (6.6') cable, HI 762L/2 temperature probe with 2 m (6.6') cable, batteries, 5 paper rolls, rugged carrying case and instructions.

HI 9161F and HI 91610F, RH % and °F readings, are supplied complete with HI 70604/2 RH probe with 2 m (6.6') cable, HI 762L/2 temperature probe with 2 m (6.6') cable, batteries, 5 paper rolls, rugged carrying case and instructions.