

## K, J, T-Type Thermocouple Printing and Logging Thermometers with Computer Connection

HI 98801 and HI 98804 thermometers combine the high accuracy and fast response time of the printing series with an extensive logging feature and infrared computer transfer system.

These meters support K, J or T-thermocouple probes, one for HI 98801 and up to 4 for HI 98804.

All stored data are always complete with date, time, sample and probe number. Measurements can be stored automatically at defined intervals (user-selectable from 1 to 180 minutes), or the current reading can be printed or logged-on-demand by just pressing a button.

The backlit LCD allows operations even in poorly lit areas.

Computer connection is through the HI 9200 infrared interface and serial port. Just place the meter on the interface and the HI 92000 application software will transfer all logged data.

Both models can be powered with batteries or 12 Vdc input.

HANNA instruments® produces a wide range of K-type thermocouple probes that can be used with this thermometer for many applications (HI 766 series).



### Specifications

	HI 98801	HI 98804
<b>Range</b>	K -200.0 to 999.9°C; 1000 to 1370°C; -300.0 to 999.9°F; 1000 to 2500°F J -200.0 to 760.0°C; -300.0 to 999.9°F; 1000 to 1400°F T -200.0 to 400.0°C; -300.0 to 750.0°F	
<b>Resolution</b>	K 0.1°C (-99.9 to 999.9°C); 1°C (1000 to 1370°C); 0.2°C (-200.0 to -100.0°C); 0.2°F (-199.9 to 999.9°F); 1°F (1000 to 2500°F); 0.3°F (-300.0 to -200.0°F) J 0.1°C (-149.9 to 760.0°C); 0.2°C (-200.0 to -150.0°C); 0.1°F (32.0 to 999.9°F); 1°F (1000 to 1400°F); 0.2°F (-300.0 to 32.0°F) T 0.1°C (-99.9 to 400.0°C); 0.2°C (-200.0 to -100.0°C); 0.1°F (300.0 to 750.0°F); 0.2°F (-149.9 to 300.0°F); 0.3°F (-300.0 to -150.0°F)	
<b>Accuracy</b>	±0.5°C (-200.0 to 999.9°C); ±1°C (outside); ±1°F (for 1 year, excluding probe error)	
<b>Channels</b>	1	4
<b>Probe</b>	K, J, T-type thermocouple (not included)	
<b>Cold Junction</b>	NTC 10 K; 0.1°C resolution; ±0.3°C accuracy	
<b>Printer</b>	low power impact, 14 characters per line, using 38 mm plain paper (HI 710034)	
<b>Printing/Logging Interval</b>	selectable at 1, 2, 5, 10, 15, 30, 60, 120 or 180 minutes	
<b>PC Connection</b>	HI 9200 interface through RS232 serial port and using HI 92000 software (not included)	
<b>Power Supply</b>	4 x 1.5V AA battery / approx. 350 hours (without printing and backlight); auto-off selectable after 5, 10, 15, 30, 45 or 60 minutes of non-use; 12 Vdc input	
<b>Environment</b>	0 to 50°C (32 to 122°F); RH max 95%	
<b>Dimensions</b>	220 x 82 x 66 mm (8.7 x 3.2 x 2.6")	
<b>Weight</b>	550 g (1.2 lb.)	

### Ordering Information

HI 98801 is supplied with 5 paper rolls, batteries, rugged carrying case and instructions.

HI 98804 is supplied with 5 paper rolls, batteries, rugged carrying case and instructions.

### Accessories

HI 766C	Penetration, K-type temperature probe with 1 m cable	HI 710034	Paper roll (10 pcs.)
HI 766E1	General purpose, K-type temperature probe with 1 m cable	HI 710035	Ink cartridge (1 pc.)
HI 710005	115 Vac/12 Vdc power adapter	HI 9200/9	Serial interface for PC connection
HI 710006	230 Vac/12 Vdc power adapter	HI 92000	Windows® compatible software
		HI 721317	Rugged carrying case

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