

K, J, T-Type Printing Thermometers

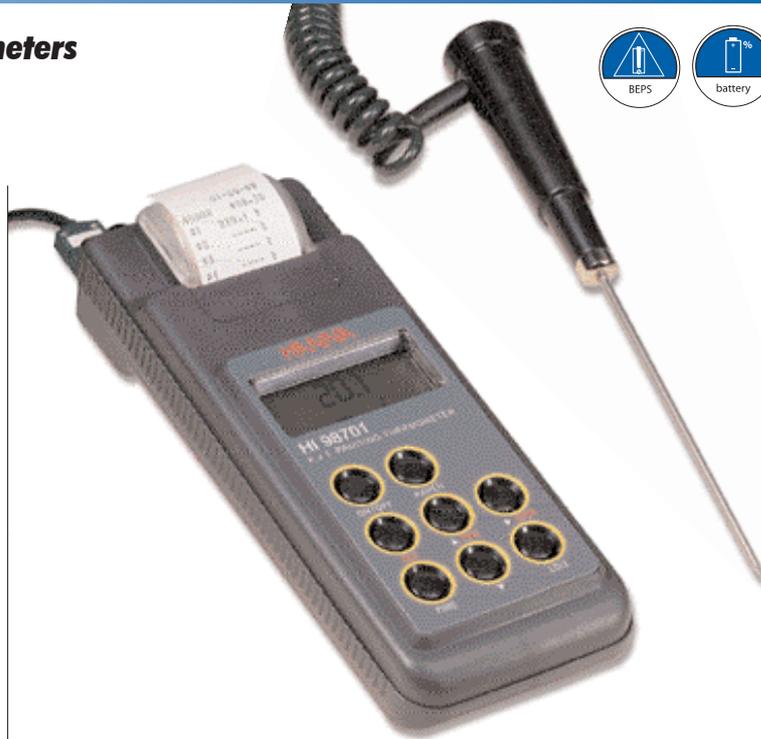


It is often desirable to print and measure temperature in the higher ranges without compromising resolution and accuracy.

For this purpose, HANNA instruments® has developed the HI 98701 single channel and the HI 98704 four channel, K, J, T-type thermocouple, printing thermometers.

A built-in printer makes it possible to obtain a hard copy of your temperature measurements taken on 1, 2, 3 or even 4 channels, at selectable intervals. This means you can leave the meter unsupervised to record your readings and not have to worry about human errors in repeated, prolonged testing. The meters incorporate the latest in GLP (Good Laboratory Practice) technology. At the touch of a button, you can retrieve the date and the details of last calibration. A host of default parameters are user-adjustable. For example, you can set a prompt for recalibration, or vary the auto-off settings. The low-power printer uses plain non-fading printer paper that is widely available. For extended time measurements, the meters can be powered with 12 Vdc. The large backlit LCD allows readings from nearly any angle and in dimly lit conditions.

HANNA instruments® offers a wide range of K-thermocouple probes to meet your specific application (HI 766 series).



Specifications

	HI 98701	HI 98704
Range	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	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
Resolution	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)	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)
Accuracy	±0.5°C (-200.0 to 999.9°C); ±1°C (outside); ±1°F (for 1 year, excluding probe error)	
Channels	1	4
Probe	K, J, T-type thermocouple (not included)	
Cold Junction	NTC 10 K; 0.1°C resolution; ±0.3°C accuracy	
Printer	low power impact, 14 characters per line, using 38 mm plain paper (HI 710034)	
Printing Interval	selectable at 1, 2, 5, 10, 15, 30, 60, 120 or 180 minutes	
Power Supply	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; or 12 Vdc input	
Environment	0 to 50°C (32 to 122°F); RH max 95%	
Dimensions	220 x 82 x 66 mm (8.7 x 3.2 x 2.6")	
Weight	550 g (1.2 lb.)	

Ordering Information

HI 98701 is supplied with 5 paper rolls, batteries, rugged carrying case and instructions.

HI 98704 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 710005	115 Vac/12 Vdc power adapter
HI 766D	Air, K-type temperature probe with 1 m cable	HI 710006	230 Vac/12 Vdc power adapter
HI 766E1	General purpose, K-type temperature probe with 1 m cable	HI 710034	Paper roll (10 pcs.)
		HI 710035	Ink cartridge (1 pc.)
		HI 721317	Rugged carrying case

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