

—h 98810

# HI 92810

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## High Accuracy Logging Thermometers

**HI 92810** and **HI 92810F** combine the high accuracy and fast response time of the HI 92710 series with an extensive logging feature and an infrared computer transfer system. In addition to supplying the user with an instant printout of **date, time and temperature**, they also provide data logging facilities that store data for transfer to a computer system or for retrieval at a later date. **HI 92810** accepts one temperature probe while **HI 92840** can take up to 4 different measurements from 4 separate probes. Sophisticated software allocates up to **16000 temperature readings** to maximize available space, regardless of the number of channels in use. The LCD shows temperature in large easy-to-read figures with a secondary level of readout dis-

playing logging interval, channel, time and date. All of these features are packaged in a hand-held unit that weighs only 500 grams.

**HI 92810** is supplied with a **HI 762BL** temperature probe. Other **HI 762** temperature probes are also available (see pages M2). A rugged carrying case is also supplied.

Upon request **HI 92810C/C**, **HI 92810F/C**, **HI 92840C/C** and **HI 92840F/C** models are available. All come supplied with a **Factory Calibration Certificate** against **NIST Standard**.

Recalibration service is available at your nearest Hanna service center.

### • Logging Capacity

Up to 16000 readings can be stored in the meter's memory.

### • Computer Compatible

Cordless infrared transmission through the **HI9200** receiver requires no extra cables.

### • Flexibility

A full range of interchangeable probes is available to meet the needs of many specific applications.

### • Low Power Consumption

Delivers up to 500 hours of use with 60 minute printing intervals. A 12VDC battery charger can be used for power.

## SPECIFICATIONS

	HI 92810C	HI 92840C	HI 92810F	HI 92840F
<b>RANGE</b>	-50.0 to 150.0°C	-50.0 to 150.0°C	-55.0 to 300.0°F	-55.0 to 300.0°F
<b>RESOLUTION</b>	0.1°C	0.1°C	0.1°F	0.1°F
<b>ACCURACY</b>	±0.4°C (-20 to 120°C) ±0.7°C (outside)		±0.8°F (-4 to 248°F) ±1.0°F (outside)	
	for one year, excluding probe error			
<b>TYPICAL EMC DEVIATION</b>	±0.6°C	±0.6°C	±1.2°F	±1.2°F
<b>CHANNELS</b>	1	4	1	4
<b>PROBE</b>	<b>HI 762BL</b> (included)	<b>HI 762</b> series (optional)	<b>HI 762BL</b> (included)	<b>HI 762</b> series (optional)
<b>PRINTER</b>	Low-power impact type-belt, 14 characters per line using 38 mm plain paper ( <b>HI 710034</b> )			
<b>LOGGING INTERVALS</b>	Selectable from 1, 2, 5, 10, 15, 30, 60, 120 and 180 minutes			
<b>POWER SUPPLY</b>	4 x 1.5V AA batteries / approx. 500 hours with 30' printing interval. Auto shut-off after 5 minutes of non-use. Power socket for 12VDC			
<b>ENVIRONMENT</b>	0 to 50°C (32 to 122°F); RH 95%			
<b>DIMENSIONS</b>	220 x 82 x 66 mm (8.7 x 3.2 x 2.3")			
<b>WEIGHT</b>	500 g (18 oz.); kit: 1.4 kg (3.1 lb.)			

## HOW TO ORDER

**HI 92810** is supplied complete with **HI 762BL** temperature probe with 1 m (3.3') cable, 5 paper rolls, 4 x 1.5V AA batteries and instruction manual in a rugged carrying case.

**HI 92840** is supplied with 5 paper rolls, 4 x 1.5V AA batteries and instruction manual in a rugged carrying case.

**HI 92810C** Logging thermometer with 1 channel input

**HI 92810F** Logging thermometer with 1 channel input

**HI 92840C** Logging thermometer with 4 channel input

**HI 92840F** Logging thermometer with 4 channel input

**HI 92810C/C** with Factory Calibration Certificate

**HI 92810F/C** with Factory Calibration Certificate

**HI 92840C/C** with Factory Calibration Certificate

**HI 92840F/C** with Factory Calibration Certificate

## ACCESSORIES

**HI 710005** 110V to 12VDC adapter

**HI 710006** 220V to 12VDC adapter

**HI 762-18C** Calibration ke/ 18.0°C ±0.4°C

**HI 762000C** Calibration ke/ 0.0°C ±0.4°C

**HI 762070C** Calibration ke/ 70.0°C ±0.4°C

**HI 762-004F** Calibration ke/ 0.4°F ±0.8°F

**HI 762032F** Calibration ke/ 32.0°F ±0.8°F

**HI 762158F** Calibration ke/ 158.0°F ±0.8°F

**HI 762BL** Temperature probe with black handle

**HI 762L/10** Temp. probe with 10 m (33') cable

**HI 9200** Infrared transmitter (9-pin)

**HI 92000** Windows® compatible software

**HI 710034** Paper roll (10 rolls)

**HI 710035** Ink cartridge (1 pc)

**HI 721317** Rugged carrying case

For a complete range of **HI 762** temperature probes and calibration test plugs see pages M2 and M4.

For a comprehensive list of accessories see section R.