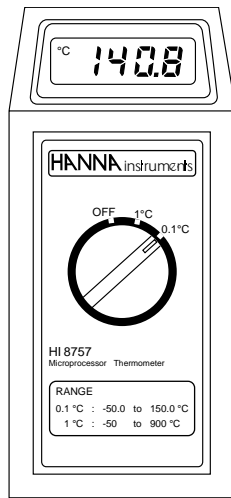


Instruction Manual

HI 8757 - HI 8758
Portable
Microprocessor
K-Type Thermocouple
Thermometers



HANNA
instruments
<http://www.hannainst.com>

CE
These Instruments are in
Compliance with the CE Directives

Dear Customer,

Thank you for choosing a Hanna Product. It is recommended that you read this instruction manual carefully before using the instrument. This manual will provide you with the necessary information for a correct use of the instrument, as well as a more precise idea of its versatility. If you need more technical information, do not hesitate to e-mail us at tech@hannainst.com.

These instruments are in compliance with the **CE** directives EN 50081-1 and EN 50082-1.

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PRELIMINARY EXAMINATION

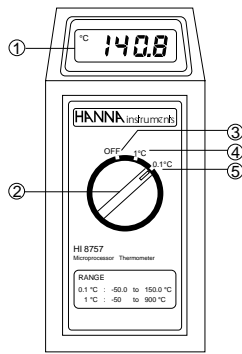
Remove the instrument from the packing material and examine it carefully to make sure that no damage has occurred during shipping. If there is any noticeable damage, notify your Dealer or the nearest Hanna Office.

Note: Save all packing materials until you are sure that the instrument functions correctly. Any defective item must be returned in the original packaging together with the supplied accessories.

HANNA *ISO 9000 Certified*
instruments *Company since 1992*

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FUNCTIONAL DESCRIPTION AND SPECIFICATIONS OF HI 8757



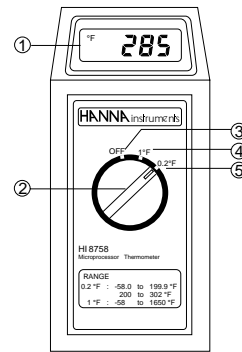
- 1) LCD display
- 2) Rotary switch
- 3) OFF mode
- 4) 1°C resolution
- 5) 0.1°C resolution

SPECIFICATIONS	HI8757
Range	-50.0 to 900°C
Resolution	0.1°C (-50.0 to 150.0°C) 1°C (-50 to 900°C)
Accuracy	±0.5% F.S. for one year, excluding probe error
EMC Typical Deviation	±0.5°C with HI 766 K-thermocouple probe
Display	3½ digit LCD
Battery Type	9V battery
Life	approximately 200 hours of continuous use
Probe	K-type thermocouple (optional see pages 6-10)
Environment	0 to 50°C (32 to 122°F); max. 95% RH non-condensing
Dimensions	180 x 83 x 40 mm (7.1x3.3x1.6")
Weight	350 g (12.4 oz.) with probe

3

4

FUNCTIONAL DESCRIPTION AND SPECIFICATIONS OF HI 8758



- 1) LCD display
- 2) Rotary switch
- 3) OFF mode
- 4) 1°F resolution
- 5) 0.2°F resolution

SPECIFICATIONS	HI 8758
Range	-58.0 to 1650°F
Resolution	0.2°F (-58.0 to 199.8°F) 1°F (-58 to 1650°F)
Accuracy	±0.5% F.S. for one year, excluding probe error
EMC Typical Deviation	±1°F with HI 766 K-thermocouple probe
Display	3½ digit LCD
Battery Type	9V battery
Life	approximately 200 hours of continuous use
Probe	K-type thermocouple (optional see pages 6-10)
Environment	0 to 50°C (32 to 122°F); max 95% RH non-condensing
Dimensions	180 x 83 x 40 mm (7.1x3.3x1.6")
Weight	350 g (12.4 oz.) with probe

4

5

OPERATIONAL GUIDE

INITIAL PREPARATION

Remove the battery cover on the rear of your thermometer. Unwrap the battery. Insert and connect it to the clip and replace the cover. Connect the temperature probe to the probe socket on the top of the meter.

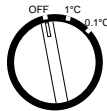
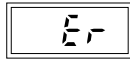
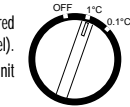
To switch on, turn the rotary dial to the desired resolution in °C or °F (depending on the model).

If a temperature probe is plugged in, the unit will display the temperature.

With the rotary knob turned to the decimal-point resolution (0.1°C or 0.2°F), "Er" is displayed if the temperature reading falls out of the instrument range (see Specifications on page 3-4). Turn the rotary knob to the 1°C or 1°F position.

If "Er" is still displayed, check the probe cable and connector.

To switch your thermometer off, turn the rotary knob to OFF.



CALIBRATION

All Hanna thermometers have been accurately pre-calibrated at the factory. It is generally recommended to have all thermometers recalibrated at least once a year.

For an accurate annual recalibration, contact your dealer or the nearest Hanna Service Center.

DISPLAY CODE GUIDE

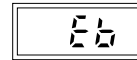
Display	Description
Er	Temperature out of range
Eb	Low battery voltage
All segments light up for more than 3 seconds	Initial input is out of range, or no probe is connected to the instrument

5

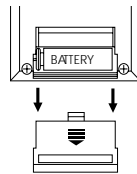
6

BATTERY REPLACEMENT

The meter stops to operate when the low battery signal is detected. The user is warned by the code "Eb" on the display.



The instrument is powered by a 9V battery located at the rear of the instrument.



Battery replacement must only take place in a non-hazardous area using a 9V alkaline battery.

To access the battery, remove the cover by applying pressure in the direction indicated. Unplug the rundown battery and replace it with a new one.

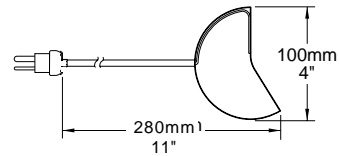
ACCESSORIES

K-TYPE THERMOCOUPLE PROBES

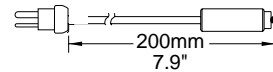
with detachable handle & mini-connector

(to be used in conjunction with the HI 766HD probe handle):

HI 766PA Roller surface probe, max 320°C/600°F

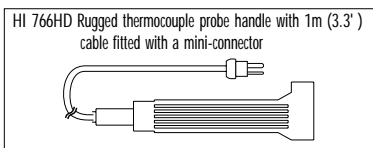
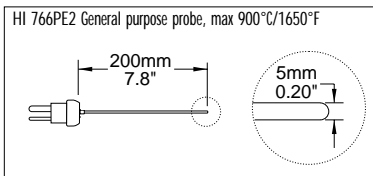
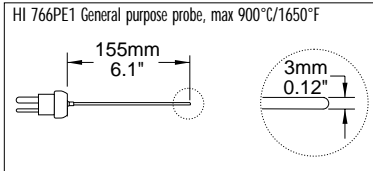
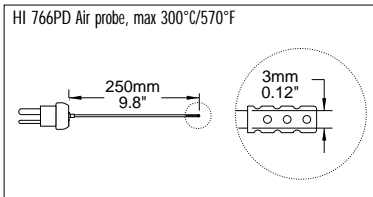
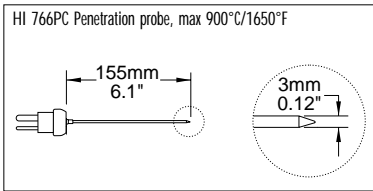


HI 766PB Surface probe, max 650°C/1200°F



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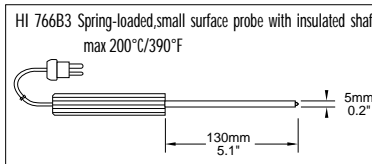
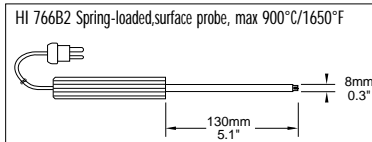
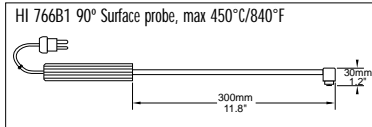
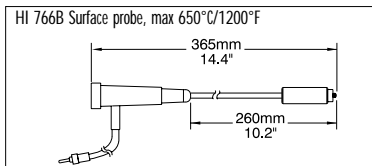
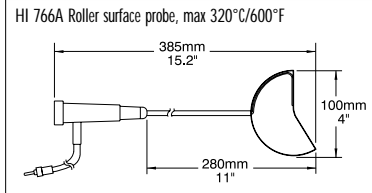
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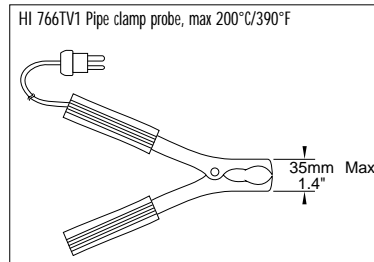
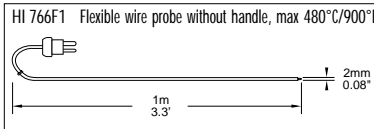
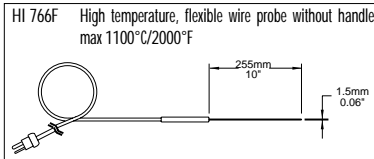
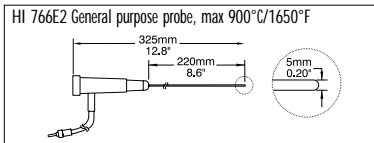
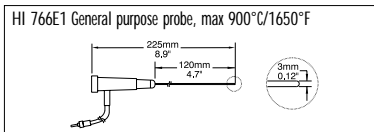
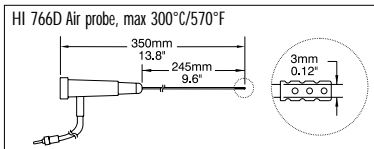
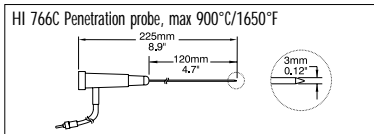
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with integral handle, 1 m cable & mini-connector:



8



Other accessories:

HI 710002 Soft carrying case, dimensions: 280 x 120 x 50 mm

HI 721316 Hard carrying case, dimensions: 340x 230 x 90 mm
MANKTHERR2 Instruction manual

WARRANTY

All Hanna meters are warranted for two years against defects in workmanship and materials when used for their intended purpose and maintained according to instructions.

The probes are warranted for a period of six months.

This warranty is limited to repair or replacement free of charge.

Damages due to accidents, misuse, tampering or lack of prescribed maintenance are not covered.


If service is required, contact the dealer from whom you purchased the instrument. If under warranty, report the model number, date of purchase, serial number and the nature of the failure. If the repair is not covered by the warranty, you will be notified of the charges incurred.

If the instrument is to be returned to Hanna Instruments, first obtain a Returned Goods Authorization Number from the Customer Service department and then send it with shipment costs prepaid. When shipping any instrument, make sure it is properly packaged for complete protection.

To validate your warranty, fill out and return the enclosed warranty card within 14 days from the date of purchase.

Hanna Instruments reserves the right to modify the design, construction and appearance of its products without advance notice.

CE DECLARATION OF CONFORMITY



CE
DECLARATION OF CONFORMITY

We
Hanna Instruments Srl
V.le delle industrie 12
35010 Ronchi di Villafranca (PD)
ITALY
herewith certify that the thermometers
HI 8757 HI 8758
have been tested and found to be in compliance with the following regulations:

IEC 801-2	Electrostatic Discharge
IEC 801-3	RF Radiated
EN 55022	Radiated, Class B

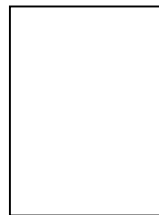
Date of Issue: 16-11-1995

D. Volpato - Engineering Manager
On behalf of
Hanna Instruments S.r.l.

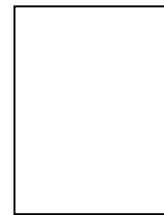
Recommendations for Users

Before using these products, make sure that they are entirely suitable for the environment in which they are used.
Operation of these instruments in residential areas could cause unacceptable interference to radio and TV equipment, requiring the operator to take all necessary steps to correct interference.
Any variation introduced by the user to the supplied equipment may degrade the instruments' EMC performance.
To avoid electrical shock, do not use these instruments when voltage at the measurement surface exceeds 24VAC or 60VDC.
To avoid damage or burns, do not perform any measurement in microwave ovens.
In particular cases the meters could turn off. In such cases turn the rotary knob to OFF position first, then to °C or °F again.

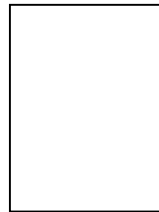
HANNA LITERATURE



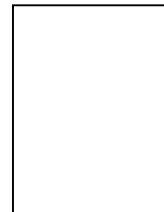
LAB RECORDING



THERMOMETRY



ENVIROCORE



GENERAL CATALOG

These and many others catalogs, handbooks and leaflets are available from Hanna. To receive your free copy, contact your dealer or the nearest Hanna Customer Service Center.

PRINTED IN ITALY

MANAGER 07/97



<http://www.hannainst.com>