



HH-2100 SERIES THERMOMETER



OPERATING INSTRUCTIONS



M-4017
13373
rev.1

**SENSOR OPEN CIRCUIT OR
OVERRANGE/UNDERRANGE INDICATION**
If the sensor is open circuit, the display will show **O-C** as long as condition exists.

INSTRUMENT ACCURACIES
All ±1 digit.
Model HH2106T
±0.2°C/0.4°F over range -20°C to +70°C/-4°F to +158°F
±0.1% rdg ±0.2°C/0.4°F elsewhere
Model HH2146T
±0.2% rdg ±0.1°C/0.2°F over range -150°C to +800°C/
-238°F to +1472°F

COMMON SPECIFICATION
Dimensions: 155 x 67 x 40mm/6.1 x 2.6 x 1.6 inches
Weight: 180g/6.4 oz

INSTRUMENT CALIBRATION
Please note that the HH2100 series range of thermometers can only be calibrated by an Omega Service Center. For details of your nearest center please refer to the end of these operating instructions.

The overall performance of the instrument is obtained by combining the stated accuracy and any uncertainty due to the measurement process.


GB

Some of the options described may not apply to this instrument. Please check the functions of the instrument you have purchased before proceeding.


Model	HH2106T	HH2146T
Sensor	T	Thermistor
C/F	X	X
Hold	Y	Y

X Instrument supplied pre-set to either °C or °F
Y Function available
Refer to rear of instrument for the temperature ranges.

INSTRUMENT OPERATION BATTERIES

Two AA or equivalent cells. Follow instructions on reverse of instrument for fitting/replacement.
When  symbol appears on display, replace batteries.

IP67 RATING
The waterproof rating for this product will not be maintained unless the screws holding the battery compartment are firmly tightened when inserting or replacing batteries.

ON - OFF
Press **ON** key for on and **OFF** key for off. Automatic switch-off after 12 minutes. If  key is held when unit is switched on, automatic switch-off function will be disabled until the unit is switched off.

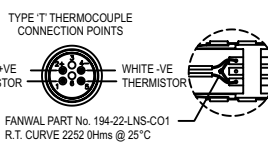
PROBE CONNECTION
The following probes should be used with the HH2100 Series Thermometers.

Probe Code	THX-HH2146T	THX-HH2106T
Sensor Type	Thermistor	T
Tip Dimensions	120mm x 3.3mm	90mm x 3.3mm
Handle Length	143mm	143mm
Units used with	HH2146T	HH2106T

THX-HH2146T

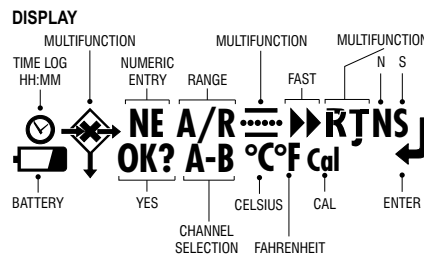





THX-HH2106T



WARNING - Do not bring probe into contact with any service connected to a hazardous voltage (i.e. a voltage exceeding 30 volts RMS or 42.4 volts peak with respect to either earth or ground). Ensure that the probe is suitable for the temperature range and type of thermocouple. Connect probe plug into the socket at top of instrument.
NOTE: Only probe listed should be used with the HH2100 series thermometer range.

BACKLIGHT
Press and hold **ON** key.



DISPLAY HOLD
Pressing  key freezes the display and  will appear on the display. Press  key again to return to normal display.

TEST RESULTS

Type T to BS 4937/DIN 43710 []
Thermistor []

Model: Serial No:

This instrument has been calibrated in:

Tested by:

This instrument has been designed to meet environmental condition:
Norm IP67 []

INPUT	READING



Servicing USA and Canada: Call OMEGA Toll Free

USA
One Omega Drive, Box 4047
Stamford, CT 06907-0047
Telephone: (203) 359-1690
FAX: (203) 359-7700
Sales Service: 1-800-826-6342 / 1-800-TC-OMEGA™
Customer Service: 1-800-622-2378 / 1-800-622-BEST™
Engineering Service: 1-800-872-9436 / 1-800-USA-WHEN™
TELEX: 996404 EASYLINK: 62968934 CABLE: OMEGA

Servicing Europe: United Kingdom Sales and Distribution Centre
25 Swannington Road, Broughton Ashley,
Leicestershire LE9 6TU, England
Telephone: 44 (1455) 285520 FAX: 44 (1455) 283912

The OMEGA Complete Measurement and Control Handbooks & Encyclopedias

- ✓ Temperature
- ✓ Pressure, Strain & Force
- ✓ Flow and Level
- ✓ pH and Conductivity
- ✓ Data Acquisition Systems
- ✓ Electric Heaters
- ✓ Environmental Monitoring and Control

Call for your **FREE Handbook Request Form** today: (203) 359-RUSH