



## INTRODUCTION

This HH67 is a portable 3½ digit, compact-sized digital thermometer designed to use semiconductor as temperature sensor.

The sensor is attached to the HH67 with a hinge. Allowing approximately 180 degrees of movement. The sensor has a pointed tip for use in liquids or semisolids. A pocket hook and magnetic holder are provided on the back of the unit.

## SAFETY INFORMATION

It is recommended that you read the safety and operation instructions before using the thermometer.

### WARNING

To avoid electrical shock, do not use this instrument when voltages at the measurement surface exceed 24V AC or DC.

### WARNING

To avoid damage or burns, do not make temperature measurement in microwave ovens.

### CAUTION

The probe maximum measure temperature is 170°C.

## SPECIFICATIONS

### ELECTRICAL

Temperature Scale:

Celsius or Fahrenheit user-selectable.

Measurement Range:

-50°C to 150°C / -58°F to 302°F.

Resolution: 0.1°C / 1°F.

Accuracy:

Accuracy is specified for operating temperatures over the range of 18°C to 28°C (64°F to 83°F) for 1 year.

±3.0°C

±1.5°C

±3.0°C

±6.0°F

±3.0°F

on -50°C to 0°C

on 0°C to 100°C

on 100°C to 150°C

on -58°F to 32°F

on 32°F to 212°F

on 212°F to 302°F

±6.0°F

on 18°C and 28°C to 50°C (32°F to 64°F and 83°F to 122°F).

Temperature Coefficient: 0.1 times the applicable accuracy specification per °C from 0°C to 18°C and 28°C to 50°C (32°F to 64°F and 83°F to 122°F).

Reading Rate:

2.5 times per second.

### ENVIRONMENTAL

Ambient Operating Ranges:

0°C to 50°C (32°F to 122°F) < 80% R.H.

Storage Temperature:

-20°C to 60°C (4°F to 140°F) < 70% R.H. (remove the battery)

### GENERAL

Display:

3½ digit liquid crystal display (LCD) with maximum reading of 1999.

Auto power off: 15 minutes.

For indoor use only.

Altitude:

Up to 2000m.

Battery:

3 pcs 1.5V (AAA size) included.

Battery Life:

140 hours (continuous) typical.

Dimensions: 160mm(H) x 48mm(W) x 25mm(D).

Weight:

Approx. 3.5 oz. (99g) including battery.

Probe:

Diameter: 3.18mm (1/8 in).

Length: 130mm (5.1 in).

Material: Stainless Steel.

## OPERATING INSTRUCTIONS

### MEAS (MEASURE) Button

Press "MEAS" button to turn on the meter for measuring temperature. Press "MEAS" button again to turn off the meter.

### AP0 (Auto power off) Function

Remove rubber cover on front case and slide the switch to right to enable "AP0" function, the "0" annunciator is displayed. It will turn off automatically after approximately 15 minutes to lengthen battery life. Slide the switch to left to disable "AP0" function.

### DATA HOLD Mode

Press the "HLD" key to enter the Data Hold mode, the "H" annunciator is displayed. When DATA HOLD mode is selected, the thermometer holds the present readings and stops all further measurements.

Press the "HLD" key again cancels DATA HOLD mode, causing the thermometer to resume taking measurements.

### °C/°F Selecting the Temperature Scale

Readings are displayed in either degrees Celsius (°C) or degrees Fahrenheit (°F). To change the temperature scale, press the "°C/°F" key.

### MAX HOLD Mode

Press the "MAX" key to enter the MAX HOLD mode. The thermometer then records and updates the maximum absolute values and the "MAX" annunciator appears on the display. Press the "MAX" key again to exit the MAX HOLD recording mode.

In the MAX HOLD mode, press "HLD" key to stop the recording, press "HLD" key again to resume recording.

## PROCEDURE OF CALIBRATION

1. Input 0°C to the meter (e.g. probe into the ice water). After the display is stabilized (about 3 mins), then ADJ VR1 to displayed = 00.8°C.
2. Input 100°C to the meter (e.g. probe into the equilibrium water). After the display is stabilized (about 3 mins), then ADJ VR3 to displayed = 99.7°C.
3. Press "°C/°F" key. Then ADJ VR2 to displayed = 212°F.

## MAINTENANCE

### Battery Replacement

1. Power is supplied by three 1.5V (AAA size) batteries.
2. The "E3" appears on the LCD display when replacement is needed. To replace the batteries, remove the screw from the back of the meter and lift off the battery cover.
3. Remove the batteries from battery contacts and replace.
4. When not in use for long period of time, remove the batteries.
5. Don't store in a location with high Temp. or high humidity.

### Cleaning

Periodically wipe the case with a damp cloth and detergent, do not use abrasives or solvents.