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It is the policy of OMEGA to comply with all worldwide safety and EMC/EMI regulations that apply. OMEGA is constantly pursuing certification of its products to the European New Approach Directives. OMEGA will add the CE mark to every appropriate device upon certification.

The information contained in this document is believed to be correct, but OMEGA Engineering, Inc. accepts no liability for any errors it contains, and reserves the right to alter specifications without notice.

WARNING: These products are not designed for use in, and should not be used for, human applications.

WARRANTY / DISCLAIMER

OMEGA ENGINEERING, INC. warrants this unit to be free of defects in materials and workmanship for a period of 13 months from date of purchase. OMEGA's WARRANTY adds an additional one (1) month grace period to the normal one (1) year product warranty to cover handling and shipping time. This ensures that OMEGA's customers receive maximum coverage on each product.

If the unit malfunctions, it must be returned to the factory for evaluation. OMEGA's Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Upon examination by OMEGA, if the unit is found to be defective, it will be repaired or replaced at no charge. OMEGA's WARRANTY does not apply to defects resulting from any action of the purchaser, including but not limited to mishandling, improper interacing, operation outside of design limits, improper repair, or unauthorized modification. This WARRANTY is VOID if the unit shows evidence of having been tampered with or shows evidence of having been damaged as a result of excessive corrosion; or current, heat moisture or vibration; improper specification; misapplication; misuse or other operating conditions outside of OMEGA's control. Components which wear are not warranted, including but not limited to contact points, fuses, and fuses.

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CONDITIONS: Equipment sold by OMEGA is not intended to be used, nor shall it be used: (1) as a "Basic Component" under 10 CFR 21 (NRC), used in or with any nuclear installation or activity; or (2) in medical applications or used on humans. Should any Product(s) be used in or with any nuclear installation or activity, medical application, used on humans, or misused in any way, OMEGA assumes no responsibility as set forth in our basic WARRANTY / DISCLAIMER language, and additionally, purchaser will indemnify OMEGA and hold OMEGA harmless from any liability or damage whatsoever arising out of the use of the Product(s) in such a manner.

RETURN REQUESTS / INQUIRIES

Direct all warranty and repair requests/inquiries to the OMEGA Customer Service Department. BEFORE RETURNING ANY PRODUCT(S) TO OMEGA, PURCHASER MUST OBTAIN AN AUTHORIZED RETURN (AR) NUMBER FROM OMEGA'S CUSTOMER SERVICE DEPARTMENT (IN ORDER TO AVOID PROCESSING DELAYS). The assigned AR number should then be marked on the outside of the return package and on any correspondence. The purchaser is responsible for shipping charges, freight, insurance and proper packaging to prevent breakage in transit.

FOR WARRANTY RETURNS, please have the following information available BEFORE contacting OMEGA:

1. Purchase Order number under which the product was PURCHASED.
2. Model and serial number of the product under warranty, and
3. Repair instructions and/or specific problems relative to the product.

FOR NON-WARRANTY REPAIRS, consult OMEGA for current repair charges. Have the following information available BEFORE contacting OMEGA:

1. Purchase Order number to cover the COST of the repair.
2. Model and serial number of the product, and
3. Repair instructions and/or specific problems relative to the product.

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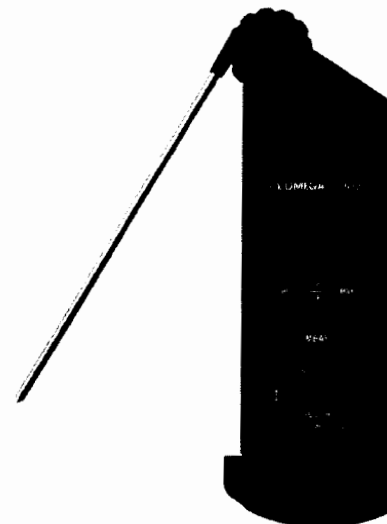
User's Guide

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HH67
Digital Thermometer

M39130803

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 beak 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	on -50°C to 0°C
±1.5°C	on 0°C to 100°C
±3.0°C	on 100°C to 150°C
±6.0°F	on -58°F to 32°F
±3.0°F	on 32°F to 212°F
±6.0°F	on 212°F to 302°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. (98g) 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.

APO (Auto power off) Function

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