

DP8891

Waterproof Thermometer Probe and Mounting Bracket

M5002/1210

INSTRUCTION
SHEET

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MADE IN CHINA

GENERAL SPECIFICATION

Model	8891 Waterproof Thermometer
Temp. Range (thermistor)	-10~110°C(-50~230°F)
Temp. Resolution	0.1°C(0.1°F)
Temp. Accuracy	+/-1°C(+/-1.6°F)
Temp. Response time	2 minutes typical
LCD update time	10 seconds
LCD size (mm, HxW)	45x96
Operating temp.	0~50°C
Operating RH%	Humidity < 80%
Storage temp.	-20~50°C
Storage RH%	Humidity < 90%
Meter Dimension(mm,LxWxT)	122x85x30
Meter Weight	~200g

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Probe size(mm)	
Length	500
Diameter	5
Handle length(mm)	65
Cable length(mm)	1500
Probe Weight	~80g
Battery	AAA Alkaline 4pcs
Battery Life	One Year (continuously use, alkaline battery)
Material	
Meter	ABS
Probe	Stainless (SUS304)
Handle	Nylon (heat resistant to 100°C)
Cable	Silicon (heat resistant to 150°C)
Standard Package	Meter, probe, probe holder, battery, manual, plain box

INTRODUCTION

Thank you for purchasing this waterproof & super large LCD digital thermometer. Please read this manual thoroughly before operation.

This waterproof thermometer is designed with following features:

- ▲The meter and probe (in plug-in status) is waterproof IP67.
IP67: Protected against the effects of temporary water immersion
- ▲Super large LCD display for easy reading.
- ▲Temperature unit C/F switchable.

To use this thermometer correctly, please be aware of the following:

- Over range measurement might damage the meter and probe.
- Keep DP8891 away from direct sun or high heat exposure to avoid plastic housing from being deformed and meter disorder.
- Please handle the probe carefully after high heat measurement.
- Avoid electronic interference environment to ensure a steady measurement.
- Clean the meter and probe with water only.
- Remove the batteries for long-term storage.


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MATERIAL SUPPLY

The standard package of this instrument includes:

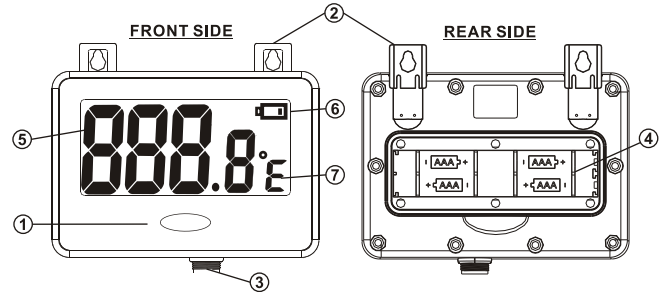
- ▲Meter, 1pc
- ▲Temperature probe, 1pc
- ▲Stainless probe holder, 1pc
- ▲AAA alkaline battery, 4pcs
- ▲Manual, 1pc
- ▲Plain box, 2 (one meter, one probe)

POWER SUPPLY

The meter is powered by 4pcs AAA alkaline batteries. Please insert the batteries into battery compartment with correct polarity and good contact. When battery low icon "  " appears on LCD, please replace batteries to get correct reading.

To make sure a watertight battery cover, the 6 screws must be tightened with uniform force. If using electric screwdriver, the force can be set at around 0.4[N.m].

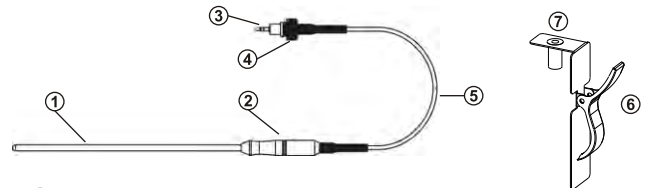
METER & LCD



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- ① ON/OFF button. Temperature unit change button.
- ② Wall mount hanger
- ③ Probe socket
- ④ Battery compartment
- ⑤ Probe temperature display
- ⑥ Low battery icon
- ⑦ Temperature unit, °C or °F

PROBE & HOLDER

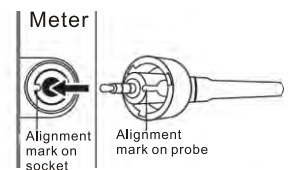


- ① Stainless temperature probe
- ② Temperature probe handle
- ③ Temperature probe plug (connect to meter)
- ④ Temperature probe plug screw nut
- ⑤ Temperature probe cable
- ⑥ Stainless temperature probe holder
- ⑦ Temperature probe fixer

OPERATION

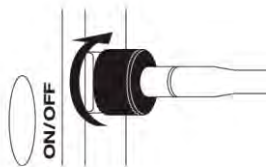
INSTALLATION

1. Plug the probe into probe socket on the meter. An alignment mark is made on probe and socket for easy installation.



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2. Turn the plug screw nut tight in clockwise direction to ensure a watertight condition.



3. For long term use, pull out the wall mount hangers from meter and hang the meter on the wall properly.

4. For long term use, plug the temperature probe into holder fixer. Clip the holder to the edge of the boiler.

POWER ON/OFF & UNIT CHANGE

1. Power on the meter by pressing "ON/OFF" key. When the LCD is on, the meter is now in measuring status. The measured value is updated every 10 seconds.

2. To change the default temperature unit, turn off the meter first. Press "ON/OFF" for more than 5 seconds until C & F interchangeably switch as on the LCD. Release the "ON/OFF" key when your desired unit is displayed. The meter will be powered on and the unit setting is confirmed.

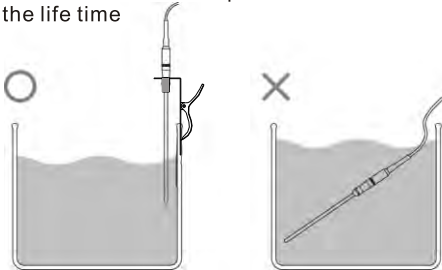
3. Put the temperature probe into the measuring target. Wait for seconds to get a stable reading.

4. After using, press "ON/OFF" key to turn off the meter.

PROBE OPERATION

To ensure an accurate reading and to extend the probe life time, please use the probe correctly.

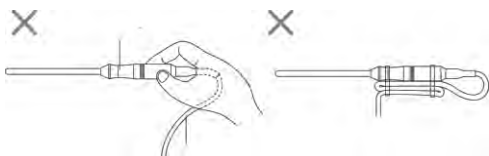
1. DO NOT immerse the probe and meter into water to extend the life time



2. It is suggested you do not hold the probe handle while measuring high temperature. It is better to use the probe handle for safety.

3. DO NOT twist or fold the probe cable to avoid the cable damage.

4. DO NOT hold the end the probe handle and fold the cable with force.



STORAGE & MAINTENANCE

This meter and probe can be washed via clean water. Please following below reminders:

1. Suggest not to immerse the whole unit and probe into water.
2. NO NOT clean the meter and probe with any chemical or detergent.
3. Use clean and dry clothes to clean up the meter and probe after wash. DO NOT put the meter and probe into dryer.

TROUBLESHOOTING

This meter will display the error code when in abnormal status. Please following below instruction to release the error code.

Error code: E02

Root cause: Probe is not contacted well with meter or measured value is lower than range limit.

Solution: a. Make sure the probe is well contacted with the meter
b. Using the probe in defined temp. range only
If E02 still appears after above procedures, the probe might be damaged already.

Error code: E03

Root cause: Probe is not contacted well with meter or measured value is higher than range limit.

Solution: a. Make sure the probe is well contacted with the meter
b. Using the probe in defined temp. range only
If E03 still appears after above procedures, the probe might be damaged already.

Error code: E31

Root cause: Meter internal circuit error

Solution: Stop using this meter.

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 interfacing, 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 in which wear is not warranted, include but are not limited to contact points, fuses, and triacs.

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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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