

Large Display Temperature Monitor

800116

Instruction Manual

SPER
SCIENTIFIC

Environmental Measurement Instruments

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INTRODUCTION

Ideal for monitoring temperature in food processing, refrigerators, storerooms, and grain. Comes with a clamp for suspending the extra-long 19" (0.5M) probe in vats, tanks, and other large containers. 1-½" high digits can clearly be seen from a distance. °C & °F switchable display and fully waterproof (IP67) including the probe connection. Comes complete with high accuracy thermistor probe, probe clamp, hardware for wall mounting and 4 AAA battery which last about one year.

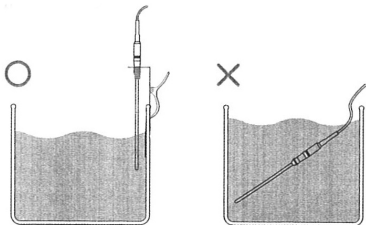
MEASUREMENT PROCEDURES

Preparation

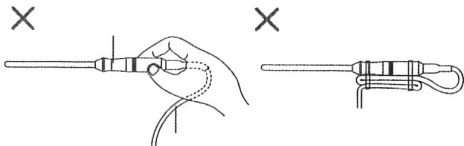
For long term use you may wish to mount the meter to a wall. To do so slide the mounting holes on the back of the meter up and mount to the wall using wall anchors.

For best results and to avoid damaging the probe:

1. Do not submerge the probe or meter.

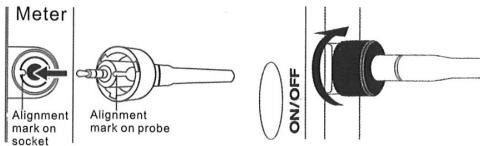


2. For reading very high temperatures or long term use it is better to use the probe clamp provided rather than holding the probe by its handle.
3. Avoid direct contact between the probe tip and the container bottom. This may be hotter than the liquid causing inaccurate readings and possibly damaging the probe.
4. Avoid forcibly twisting or folding the probe cable.
5. Avoid holding the front end of the probe handle.



Temperature Measurement

1. Plug the Temperature Probe into the socket on top of the meter taking care to align as illustrated. Ensure a waterproof seal by inserting the probe connection all the way into the port and threading the connection ring counter clockwise until fully closed.




2. Press the power button. Temperature readings appear on the LCD and will be updated every 10 seconds.

°C/°F

1. Turn the unit off.
2. Hold the power button down for 5 seconds to toggle between a °C and °F display and release at your preferred temperature scale.

MAINTENANCE

Battery Replacement

1.  indicates batteries are low and need to be replaced.
2. When inserting new batteries please ensure good contact and correct polarity.
3. Tighten the 6 battery cover screws with uniform force to ensure a watertight seal.

Cleaning

The meter can be cleaned with water but avoiding using chemicals or detergents or submersing the meter.

SPECIFICATIONS

Range 14 to 230°F -10 to 110°C	Accuracy +/-1.6°F ±1°C
Resolution	0.1 °C & °F
Meter	7 oz (200 g) Meter only
Dimension	Display unit: 4 ¾" x 3 ½" x 1" (122 x 85 x 30mm) Probe length: 19" (5M) diameter 0.2" (5mm) Handle: 2 ½" (65 mm) Cable: 59" (1.5M)
Operating Temperature	32 to 122°F (0°C to 50°C)
Storage Environment	-4 to 122°F (-20°C to 50°C) RH <90%
Sensor	High Accuracy Thermistor
Water Resistance	IP67

TROUBLESHOOTING

Error Code E02

Indicates the probe is not making good contact with the meter or the measured temperature is below the thermometer's range.

Error Code E03

Indicates the probe is not making good contact with the meter or the measured temperature is above the thermometer's range.

Error Code E31

Indicates an internal circuit error. Return the meter under the following warranty.

NOTES

WARRANTY

Sper Scientific warrants this product against defects in materials and workmanship for five (5) years from the date of purchase and agrees to repair or replace any defective unit without charge. If your model has since been discontinued, an equivalent Sper Scientific product will be substituted if available. This warranty does not cover damage resulting from accident, misuse, or abuse of the product. To obtain warranty service, ship the unit postage prepaid to:

SPER SCIENTIFIC LTD

8281 E. Evans Rd., Suite #103
Scottsdale, AZ 85260
(480) 948-4448

Be sure to include a description of the problem and your return address. Register your product online at www.sperwarranty.com within 10 days .

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