

User Manual



DIGI-SENSE®

Waterproof Pocket Thermometer with Folding Probe

with NIST-Traceable Calibration

Model 20250-34



THE STANDARD IN PRECISION MEASUREMENT



Introduction

The Digi-Sense Waterproof Folding Pocket Thermometer (Model 20250-34) is ideal for use in food and laboratory applications and is HACCP approved. The thermometer is designed with a robust measurement probe that is connected via a metal folding joint. The waterproof thermometer is IP67-rated for use in harsh conditions and can be cleaned easily by running under water. Advanced features include °C/°F unit selection, Min/Max/Hold, backlit display, and automatic power-off. The instrument is fully tested and calibrated to NIST-traceable standards. Careful use of this meter will provide years of reliable service.

Unpacking

Check individual parts against the list of items below. If anything is missing or damaged, please contact your instrument supplier immediately.

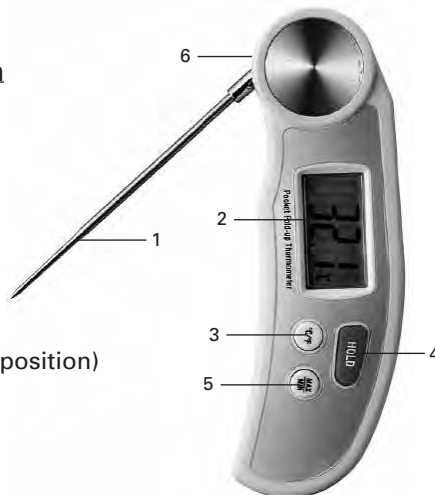
- Waterproof folding pocket thermometer
- Two AAA batteries, installed
- User manual
- NIST-traceable calibration report with data

Key Features

- IP67 waterproof protection
- HACCP approved
- Large backlit display
- Stainless steel probe and ABS housing
- User-selectable °C or °F units
- Min/Max/Hold function
- Low battery indicator
- Automatic power-off to conserve battery life

Meter Description

1. Temperature probe
2. LCD
3. °C /°F button
4. **HOLD** button
5. **MAX/MIN** button
6. **Power on/off**
(flip probe to open position)



Setup and Operation

The probe acts as the on/off switch. Move the probe to the open position and the thermometer turns on. Close the probe and the unit turns off.

Taking Measurements

Insert the stem of the thermometer at least ½" into the testing area. To save battery life, the thermometer will automatically turn off after approximately four minutes.

Changing Unit of Measurement

Press the °C/°F button to change the unit of measurement.

Hold Function

1. Press the **HOLD** button once. "HOLD" will appear on the display.
2. Press **HOLD** button again to return to normal operation.

Viewing the Min and Max Readings

The MIN/MAX mode allows the user to view only the lowest (**MIN**) or highest (**MAX**) reading.

1. Press **MAX/MIN** button once and the **MAX** icon will appear on the display. The LCD is now displaying the maximum temperature reading. The display will not change until a higher reading is registered.
2. Press the **MAX/MIN** button once more and the **MIN** icon will appear on the display. The LCD is now displaying the lowest temperature reading. The display will not change until a lower reading is registered.
3. Press **MAX/MIN** once more to exit MIN/MAX mode.

Setup and Operation (continued)

Automatic Power-Off

To conserve battery life, the meter automatically turns off after four minutes. To disable this feature:

1. Turn the thermometer off
2. Press the **HOLD** button and flip the probe open to turn the Auto Power-Off function off.
3. Repeat steps #1 and #2 to turn the Auto Power-Off function back on.

Specifications

Temperature range	–58 to 572°F (–50 to 300°C)
Resolution	0.1°F from –58 to 199°F (0.1°C from –50 to 199°C), 1°F from 200 to 572°F (1°C from 200 to 300°C)
Accuracy	±3.6°F from –58 to –4°F (±2.0°C from –50 to –20°C), ±1.8°F from –4 to 212°F (±1.0°C from –20 to 100°C), ±1% from 212 to 572°F (±1% from 100 to 300°C)

Display	LCD
Response time	Two seconds
Auto power-off	Unit shuts off automatically after four minutes to preserve battery life
Weight	5.6 oz (160 g)
Dimensions (L x W x H)	6" x 1¾" x ¾" (150 x 45 x 20 mm)
Power	Two AAA batteries

Maintenance, Recalibration, and Repair

Cleaning and Storage

- The thermometer should be cleaned with a damp cloth and mild detergent when necessary. Do not use solvents or abrasives.
- Store the meter in an area with moderate temperature and humidity.

Battery Replacement

If the battery falls low, the Low Battery icon will appear on the screen. Open the battery cover on the rear of the unit and replace the two AAA batteries. Close the cover securely when finished.

It is recommended that Digi-Sense products are calibrated annually to ensure proper function and accurate measurements; however, your quality system or regulatory body may require more frequent calibrations. To schedule your recalibration, please contact InnoCal, an ISO 17025 calibration laboratory accredited by A2LA.

