

User Manual



Digital Pocket Thermometer

with NIST-Traceable Calibration

Model 20250-32



THE STANDARD IN PRECISION MEASUREMENT

Introduction

The Digi-Sense Large-Head Pocket Thermometer (Model 20250-32) offers fast response and laboratory accuracy with 0.1°F (0.1°C) resolution over the entire measurement range. Advanced features include °C/°F unit selection 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.

1. Pocket thermometer
2. One LR44 (1.5V) battery, installed
3. Protective sleeve
4. User manual
5. NIST-traceable calibration report with data

Key Features

- User-selectable °C or °F units
- Automatic power-off to conserve battery life

Meter Description

1. Protective cover
2. Temperature probe
3. LCD
4. °C/°F button
5. **Power ON/OFF** button



Setup and Operation

Power

1. Remove the thermometer from the protective sleeve.
2. Press the **Power on/off** button to activate.

Taking Measurements

Insert the stem of the thermometer at least ½" into the testing area.

Note: When the thermometer is initially powered on, the LCD will display “- 0.0 °C” or “32.0 °F” for two seconds. Then the actual temperature will display. To save battery life, the thermometer will automatically turn off after approximately 20 minutes.

Temperature Measurements

Press the °C/°F button to change the temperature unit from °C to °F.

Specifications

Temperature range	Full usable range: -40 to 482°F (-40 to 250°C) NIST certified range: 32 to 482°F (0 to 150°C)
Resolution	0.1°F (0.1°C)
Accuracy	1.5% ±4°F (±2°C) full scale

Display	LCD
Response time	20 seconds
Auto power-off	Unit shuts off automatically after 20 minutes to preserve battery life
Weight	1.5 oz (42.5 g)
Dimensions (L x W x D)	6" x 1½" x 1⅛" (150 x 40 x 28 mm)
Power	One LR44 (1.5V) battery

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

When the battery power falls low, open the battery compartment on the rear of the unit and replace the LR44 battery. 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.

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