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U Ei Test Instruments PDT650

U Ei Test Instruments PDT650 Folding Pocket Digital Thermometer

User Instruction Manual

PRODUCT OVERVIEW

The U Ei Test Instruments PDT650 is a robust folding pocket digital thermometer designed for accurate temperature measurements in various environments. It features an extended temperature range, a built-in magnetic mount for convenient placement, a folding temperature probe for safety and portability, and a large, easy-to-read display. This thermometer is suitable for applications in HVAC, refrigeration, and food service where precise temperature monitoring is essential.



Image: The UEi PDT650 thermometer shown with its probe extended for use and folded for storage, highlighting its compact design and digital display.

SETUP

1. **Battery Installation:** The PDT650 comes with one AB13 (SR44W) battery included. Ensure the battery is correctly installed according to the polarity markings in the battery compartment.
2. **Probe Deployment:** Gently unfold the stainless steel temperature probe from its stored position until it locks into place.
3. **Power On:** Press the **ON/OFF** button to power on the device. The display will illuminate.



Image: A close-up view of the UEi PDT650 thermometer with its probe extended, clearly showing the digital display, ON/OFF, °F/°C, and MAX/MIN buttons.

OPERATING INSTRUCTIONS

1. **Temperature Measurement:** Insert the stainless steel probe into the substance or area where temperature needs to be measured. The large digital display will show the current temperature reading. The update rate is approximately 1 second.
2. **Unit Selection:** Press the °F/°C button to toggle between Fahrenheit and Celsius temperature units.
3. **MIN/MAX Record:** Press the **MAX/MIN** button to view the maximum or minimum temperature recorded during the current measurement session. Pressing it repeatedly will cycle through MAX, MIN, and current readings.
4. **Magnetic Mount:** Utilize the built-in magnetic mount on the back of the thermometer to attach it to metal surfaces for hands-free operation.
5. **Auto Power Off:** The device features an auto power off function, which activates after approximately 1 hour of inactivity to conserve battery life.
6. **Power Off:** Press and hold the **ON/OFF** button to manually turn off the device.

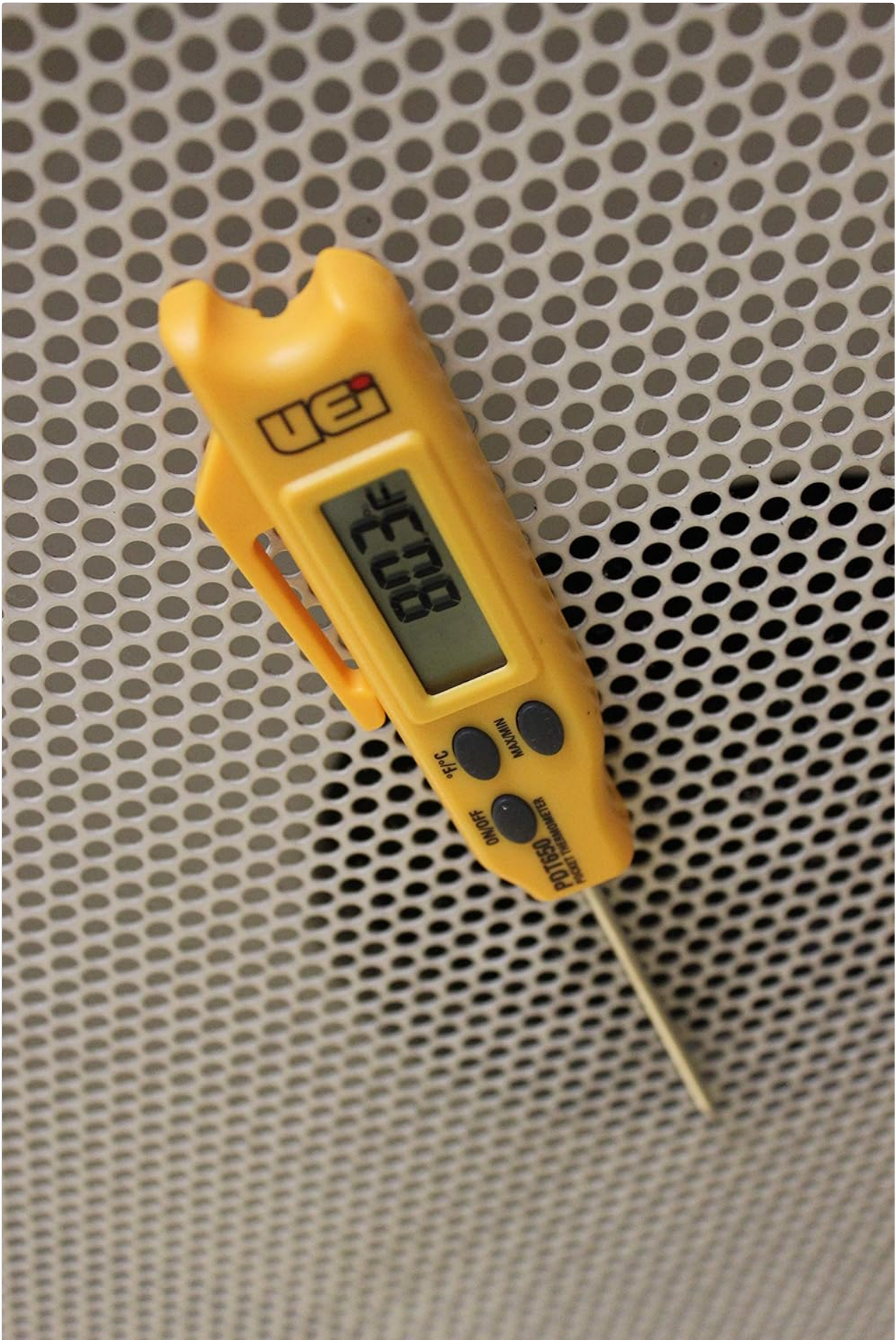


Image: The UEi PDT650 thermometer is shown in use, magnetically attached to a metal surface, demonstrating its hands-free capability for temperature monitoring.

Your browser does not support the video tag.

Video: A product summary video demonstrating the features and usage of the UEi PDT650 Folding Pocket Digital Thermometer, including its folding probe, magnetic mount, and display functions.

MAINTENANCE

- **Cleaning:** To clean the thermometer, wipe it with a clean, damp cloth. Do not immerse the unit in water or use abrasive cleaners.
- **Battery Replacement:** When the display indicates a low battery, replace the AB13 (SR44W) battery. Refer to the battery compartment for instructions on how to open and replace the battery.
- **Probe Care:** Ensure the probe is clean and dry before folding it back into the unit to prevent damage or contamination.

TROUBLESHOOTING

If the thermometer is not functioning as expected, please consider the following:

- **No Display/Faint Display:** Check if the battery is correctly installed and has sufficient charge. Replace the battery if necessary.
- **Inaccurate Readings:** Ensure the probe is fully inserted into the measurement area and allowed sufficient time to stabilize. Verify the unit is set to the desired temperature scale (°F or °C).
- **Probe Not Folding:** Ensure no debris is obstructing the probe's hinge mechanism. Do not force the probe.

For further assistance, please contact customer support.

SPECIFICATIONS

Feature	Detail
Model Name	PDT650
Temperature Range	-58 to 572°F (-50 to 300°C)
Accuracy	+/- 1.8°F or +/- 1°C (-22° to 302°F/-30° to 150°C); otherwise +/- 4°F or +/- 2°C
Resolution	0.1° (up to 199.9°), otherwise 1°
Update Rate	Approximately 1 second
Auto Power Off	Approximately 1 hour
Power Source	1 x AB13 (SR44W) Battery (included)
Display Type	Digital
Outer Material	Stainless Steel (probe)
Special Features	Folding Probe, Built-in Magnetic Mount, MIN/MAX Record, Large Display



Folding Digital Pocket Thermometer



Functions

- Temperature range: -58° to 572°F (-50° to 300°C)

Features

- Folding temperature probe
- Min/Max record
- Built-in magnetic mount
- Auto power off
- Large easy-to-read display
- Folding probe tip measures in any position
- 1-Year limited warranty

Includes

- Battery (AB13)



Specifications

Temperature Range:	-58° to 572°F (-50 to +300°C)
Accuracy:	+/- 1.8°F or +/- 1°C in the range of -22° to 302°F/ -30° to 150°C otherwise +/-4°F or +/-2°C
Resolution:	0.1° to 19.9° ~ +199.9° otherwise 1°
Update Rate:	Approximately 1 second
Auto Power Off	Approximately 1 hour
Battery:	UEi # AB13 (SR44W)

Downloads

Manual



Data Sheet

H27-032



Made in CHINA

Image: The back of the product packaging, detailing key features, temperature range, and contact information for support.

WARRANTY

The UEi Test Instruments PDT650 Folding Pocket Digital Thermometer comes with a three-year limited warranty. For details regarding warranty claims and coverage, please refer to the official UEi Test Instruments website or contact customer support.

SUPPORT

For technical support, product information, or warranty inquiries, please use the following contact details:

- **USA:** 1-800-547-5740
- **USA Website:** www.ueitest.com
- **USA Email:** info@ueitest.com
- **Canada:** 1-877-475-0648
- **Canada Email:** infocanada@ueitest.com