DOSTMANN 5020-0413 Dual TEMP Pro Einstech Infrarot Thermometer User Manual

DOSTMANN 5020-0413 Dual TEMP Pro Einstech Infrarot Thermometer

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DUAL
26.4
TCT303
Scan
Mode
Probe
HACCP

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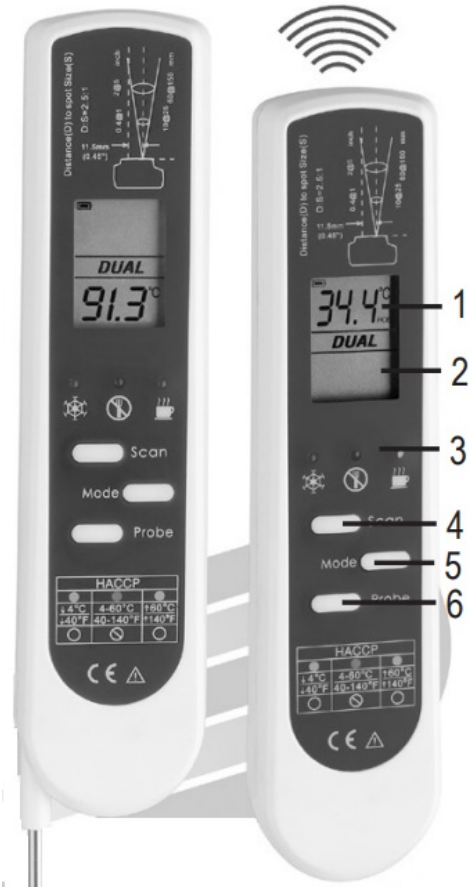
Remote Control



1. Infrared reading
2. Insertion probe reading
3. HACCP check LED

4. SCAN button (infrared
5. MODE button
6. PROBE button (insertion probe)

Kindly note / Safety Instructions

- Check if contents of the package is undamaged and complete.
- Remove protection foil above the display.
- For cleaning the instrument please do not use an abrasive cleaner only a dry or moist piece of soft cloth. Do not allow any liquid into the interior of the device.
- Please store the measuring instrument in a dry and clean place.
- Avoid any force like shocks or pressure to the instrument.
- No responsibility is taken for irregular or incomplete measuring values and their results, the liability for subsequent damages is excluded!
- Do not use the device in explosive areas.
  Danger of death!
- Keep these devices and the batteries out of reach of children.
- Batteries contain harmful acids and may be hazardous if swallowed. If a battery is swallowed, this can lead to serious internal burns and death within two hours.
  If you suspect a battery could have been swallowed or otherwise caught in the body, seek medical help immediately.
- Batteries must not be thrown into a fire, short-circuited, taken apart or recharged. Risk of explosion!
- Low batteries should be changed as soon as possible to prevent damage caused by leaking. Never use a combination of old and new batteries together, nor batteries of different types.
- Wear chemical-resistant protective gloves and safety glasses when handling leaking batteries.

Introduction

The thermometer is a non-contact infrared thermometer, also with Probe ther mometer. You can select only one Mode at the same time but can change the Mode at will. Please remember to keep away from baby and children and don‘t use it for safety related applications.

Special Features:

- Food Code Zone Display
- Water Proof (IP65)

Non-contact infrared Thermometer function (IRT Mode):

- The white light will automatically turn on while the Scan button is pressed.
- Distance: Spot (FOV) = 2.5:1
- Emissivity = 0.1-1 Step.01
- Wave Length = 8µm-14µm
- Simply aim the thermometer at the measure target with „Infrared Lens“ and press Scan (infrared) key to display the surface temperature with a „Hold“ wording. The distance to target ratio is 2.5:1 therefore the thermometer

should be positioned as close to the target as possible. While scanning, the newest temperature will be updated on the LCD and the measurement will continue as long as the Scan (infrared) key is pressed. When the Scan (infrared) key is released, icon „Hold“ will appear on the display and the last measurement will remain visible for 15 sec. before the display goes blank.

MODES election:

MIN→MAX→LOCK→°C→°F→EMIS

MINIMUM / MAXIMUM mode:

- The thermometer will display the minimum or maximum reading during the measurement period only until the Mode key is pressed.
- To utilize the minimum mode, please press Scan (infrared) key → Mode key → Scan (infrared) key. And keep pressing Scan (infrared) key for measurement.
- To utilize the maximum mode, please press Scan (infrared) key → Mode key twice → Scan (infrared) key. And keep pressing Scan (infrared) key for measurement.

LOCK mode:

- The lock mode is particularly useful for continuous monitoring of temperatures. The thermometer will continuously display the temperature for up to 60 minutes or until the Scan (infrared) key button is pressed.
- To utilize the lock mode, please press Scan (infrared) key → Mode key three times → Scan (infrared) key. °C or °F mode:
- To change the „°C“ or „°F“ mode, please press Scan (infrared) key → Mode key four times → Scan (infrared) key.
- Same steps can be taken when switching from °F to °C.

Emissivity:

- The infrared thermometer is supplied with a default emissivity of 0.95. The emissivity can be changed from 0. 10 (10E) to 1 (100E). Changes should only be carried out by experienced personnel. For information relating to the emissivity of specific materials, please contact the nearest retailer.
- To change the emissivity, please Scan (infrared) key → Mode key five times →Scan (infrared) key for each 0.01 (1 E) adjustment → Mode key.

  ⚠ **Note:** Non-contact infrared thermos meters are not recommended for use in measuring the temperature of shiny or polished metals

Contact Thermocouple Probe function (COT Mode):

• Attach the thermometer at the measure target with „Probe“ and press Probe key to continuously display the temperature for up to 4 minutes. After that the device will automatically shut off to extend the battery life. Press Probe key will interrupt the scanning to display the last temperature with a „Hold“ wording. To reenter scanning just press Probe key again

⚠ Do not twist the probe and rotate the probe in wrong direction.

⚠ Over stress on probe may cause break.

⚠ After measure high temp, the probe may remain HOT for a while.

⚠ Probe is dangerous for human when the probe is in an open position.
Remember to hold the probe back when not in use.

⚠ The probe of contact thermometer may be damaged if exceeding the specification of measurement temperature range.

HACCP check:

- The „HACCP CHECK“ feature is incorporated in our thermometer temperature to graphically indicate critical temperature zone. The icons „ “ and LED indicators located above the display indicate a food product stays in a safe or unsafe HACCP „Danger Zone“ temperature. The green and red LED light will always be lit before power off.
- A green LED appears with icon „ “ indicates a safe cool or frozen condition below 4°C (40°F) or appears with icon „ “ indicates a safe holding temperature above 60°C (140°F).
- When temperature is between 4°C and 60°C, the red LED with icon „ “ will appear and indicate that the temperature is fallen within the HACCP „Danger Zone“ from 4°C to 60°C (40-140°F).

LCD error Messages:

„Hi“ or „Lo“ is displayed when the temperature being measured is outside of the range of the instrument, „Hi“ when higher than +250°C (572°F) and „Lo“when lower than -55°C (-67°F)

Er2“ is displayed when the thermometer is exposed to rapid changes in the ambient temperature. „Er3“ is displayed when the ambient temperature exceeds 0°C (32°F) or +50°C (122°F). The thermometer should be allowed plenty of time (minimum 30 minutes) to stabilize to the working room temperature.

For all other error messages it is necessary to reset the thermometer. To reset it, turn the instrument off, remove the battery and wait for a minimum of one minute, reinsert the battery and turn on. If the error message remains please contact the Service Department for further assistance

Batteries:

The thermometer incorporates visual low battery indication as follows:

Battery OK
→ Measurements are possible

Battery Low
→Battery needs to be replaced, measurements are still possible

Battery Exhausted
→ Measurements are not possible

⚠When the ‚Low Battery' icon indicates the battery is low, the battery should be replaced immediately. It is important to turn the instrument off before replacing the battery otherwise the thermometer may malfunction.

⚠ Please do not dispose of old electronic devices and empty batteries in household waste. Keep away from children.

Battery change (Fig. 1-6):

1. Please pick the rubber gasket on the battery cover by using small, pointed screwdriver with the „X" shaped, then release the screw on the battery cover.
2. Open the battery cover.
3. Replace the new battery. (Power Supply: AAA 2pcs, 1.5V)
4. First, close the bottom side and push the battery cover in.
5. Use the same way as point 1 to close the battery cover and stuff the screw hole with the rubber gasket.

⚠Since the thermometer is waterproof, please make sure the battery cover is tight for the thermometer and also with the rubber gasket.

Specifications:

Infrared Scan function (IRT Mode):
Measuring range: -55…+250°C,-67…-482°F
Thermocouple Probe
(K type, Grounded) (COT Mode):
Measuring range: -55°C…+250°C, -67…-482°F
Resolution: 0.2°C
Operating Range: 0-50°C (32-122°F)
Dimension: 22x38x160mm (LxWxH)
Battery Life: approx. 18 hrs

⚠EMC/RFI Readings may be affected if the unit is operated within a radio frequency electromagnetic field strength of approximately 3 volts per metre, but the performance of the instrument will not be permanently affected.

This product fulfills the guidelines according to EN 13485.
Suitability: S (Stockade)
Location: A
Accuracy class: 1
Measuring range: -55°C … +250°C
In accordance with EN 13485, this instrument is subject to regular inspections as per EN 13486 (recommendation: yearly)

Explanation of symbols

This sign certifies that the product meets the requirements of the EEC directive and has been tested according to the specified test methods.

Waste disposal

This product and its packaging have been manufactured using high-grade materials and components which can be recycled and reused. This reduces waste and protects the environment. Dispose of the packaging in an environmentally friendly manner using the collection systems that have been set up.

Disposal of the electrical device

Remove non-permanently installed batteries and rechargeable batteries from the device and dispose of them separately. This product is labelled in accordance with the EU Waste Electrical and Electronic Equipment Directive (WEEE). This product must not be disposed of in ordinary household waste. As a consumer, you are required to take end-of-life devices to a designated collection point for the disposal of electrical and electronic equipment, in order to ensure environmentally-compatible disposal. The return service is free of charge. Observe the current regulations in place!

Disposal of the batteries

Batteries and rechargeable batteries must never be disposed of with household waste.
They contain pollutants such as heavy metals, which can be harmful to the environment and human health if disposed of improperly, and valuable raw materials such as iron, zinc, manganese or nickel that can be recovered from waste. As a consumer, you are legally obliged to hand in used batteries and rechargeable batteries for environmentally friendly disposal at retailers or appropriate collection points in accordance with national or local regulations.
The return service is free of charge. You can obtain addresses of suitable collection points from your city council or local authority. The names for the heavy metals contained are: Cd = cadmium, Hg = mercury, PBS = lead.
Reduce the generation of waste from batteries by using batteries with a longer lifespan or suitable rechargeable batteries.
Avoid littering the environment and do not leave batteries or battery-containing electrical and electronic devices lying around carelessly. The separate collection and recycling of batteries and rechargeable batteries make an important contribution to relieving the impact on the environment and avoiding health risks.
WARNING! Damage to the environment and health through incorrect disposal of the batteries!

DualTEMP Pro

Documents / Resources

	DOSTMANN 5020-0413 Dual TEMP Pro Einstech Infrarot Thermometer [pdf] User Manual 5020-0413 Dual TEMP Pro Einstech Infrarot Thermometer, 5020-0413, Dual TEMP Pro Einstech Infrarot Thermometer, Infrarot Thermometer

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