DOSTMANN V215 Precision Thermometer Instruction Manual

DOSTMANN V215 Precision Thermometer Instruction Manual

Contents

1 Device description
2 Introduction
3 Kindly note / Safety Instructions
4 Delivery contents
5 Application area
6 Device operation
6.1 Starting up the device
6.2 Trend display
7 Technical data
8 Explanation of symbols
9 Waste disposal'
10 Cleaning
11 Assembly Instruction
12 Documents / Resources
12.1 References
13 Related Posts

Device description

1. sensor tip
2. sensor tube

3. buttons
4. Display
5. battery compartment (rear)

Introduction

Dear Sir or Madam,
Thank you very much for purchasing one of our products. Prior to operating the device, please read this manual carefully. You will get useful information about the device‘s functionality and safe operation.

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.

Delivery contents

- Precision Thermometer
- Bag
- 2x Battery 1,5 Volt AA (already inserted)
- Calibration certificate
- Operation manual

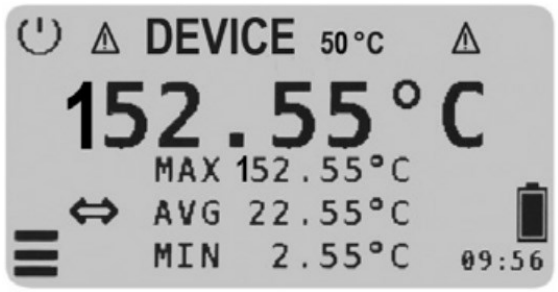
Application area

The measuring device is used to measure temperatures in liquids, in air or in semi-solid (plastic or organic) materials.

Note on the maximum immersion depth for the to measuring medium:
V215: <140°C maximum 160 mm

V315: <140°C maximum 260mm
V215: >140°C maximum 120 mm
V315: >140°C maximum 200 mm

See Fig. G: If the maximum device temperature (temperature measurement by a sensor at the display) is exceeded, the device must be taken into a cooler environment immediately.



Device operation

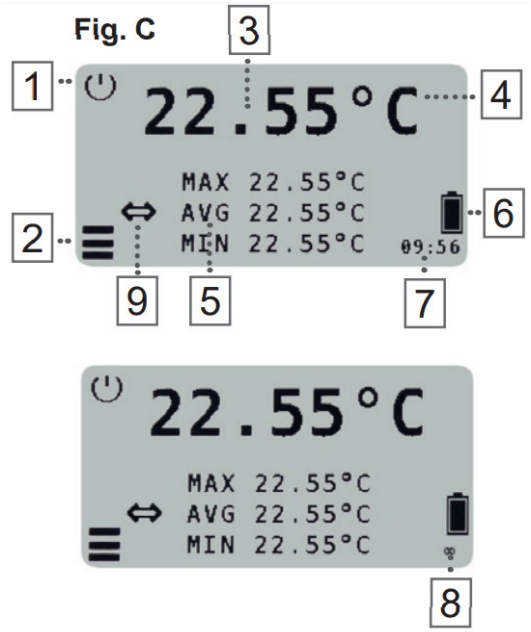
Starting up the device

Power on / off
Take the device out of the bag. The battery cover is on the back. The battery is factory installed already . When switched off, the display shows the battery capacity. The device has two buttons. **(Fig. A)**. To switch on, press one of the two buttons.

Note: Both buttons switch the device on

The display briefly shows the firmware version and then the currently measured temperature. The temperature sensor is located in the probe tip. In order to measure the correct temperature, the sensor should be at least 50 mm in the medium to be measured. To switch off device, press power key for 2seconds. Device confirms on and off with a beep. The black/white display orientation auto-adjusts to the device position in space,reading direction is always correct. Device switches to standby after 10 minutes. When switching off, the display flickers for 3 seconds. This is required to correctly clear the paperwhite display.

Deactivating turn-off timer
During normal operation, the measuring device shows the remaining operating time in minutes and seconds in the right-hand corner of the display **(Fig: C, 7**). The device switches off after the time has elapsed. A short press of the power key or use of the menue key restarts the counter. This turn-off timer can be deactivated: While switching the device on, press and hold the power button (1) for 4 seconds until the beep. The device now shows the symbol ∞ **(Fig: C, 8)**, indicating continuous operation mode. To deactivate this function, repeat the process.



Setup menue
Pressing and holding the mode button takes you to a submenu. The device remains in the submenu until the mode button is released. It toggles through menu items every second. Once the key is released, the selected function is changed:

Menu items

MIN-MAX on/off
Switch minimum, maximum and average values on or off. Statistics reset with each activation of MIN-MAX values.

°C/°F
Select Celsius or Fahrenheit display

0,01/0,1 (Display resolution)
The display resolution changes between 0.1° and 0.01°

BACK
Exit setup menue without changes

Trend display

The measured temperature value is shown in connection with a trend display (Fig: C, 9):

: temperature rises rapidly

: temperature rises slowly

:temperature remains constant

: temperature drops rapidly

: temperature drops slowly

Ambient conditions (Fig: G)
Thepermitteddevicetemperatureis32°F-122°F. Aseparatetemperature sensor measures the device temperature directly behind the display. If the device temperature exceeds the allowed range, a warning flashes on the display.

Return device to regular temperature immediately to avoid damage.
Battery replacement / **Battery status display**

Replace batteries when the low battery indicator in the right corner of the display **(Fig: C, 6)** appears  .

- Open battery compartment screw with a Phillips screwdriver. Replace the two batteries. Polarity is indicated on battery case bottom.
- Close battery compartment.

Technical data

Temperature:

- **Measuring range:** -58°F…+482°F / -50..+250°C
- **Resolution:** 0.1°/0.01° selectable
- **Display:** paperwhite-display 50 x 26mm
- **Working temperature:** 32°F…122°F / 0°C…50°C
- **Dimensions:** V215: 255 x 110 x 60 mm V315: 355 x 110 x 60 mm
- **Sensor tube:** V215: 215 x 6mm (tip reduced 30 x 4 mm) V315: 315 x 6mm (tip reduced 30 x 4 mm)
- **Weight:** V215: 165g / V315: 200g
- **Battery:** 2 x 1,5 Volt AA (LR6)
- **Battery life:** appr. 500 hours

Explanation of symbols

CE
UK CA 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

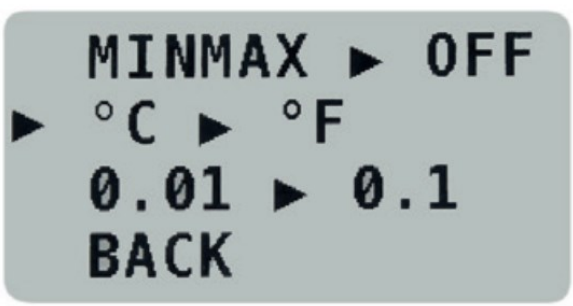
Batteries and rechargeable batteries must never be disposed of with household waste. They contain pollutants such as heavy metals, which can be harmful to the environment and human health if disposed of improperly, and valuable raw materials such as iron, zinc, manganese or nickel that can be recovered 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, **Pb** = 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.

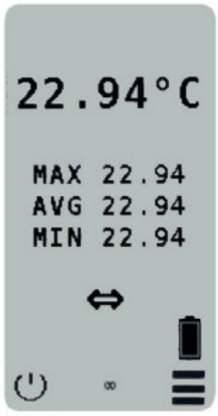
WARNING! Damage to the environment and health through incorrect disposal of the batteries!

Cleaning

- Clean the device with a soft, slightly damp cloth. Do not use abrasives or solvents!
- Remove the battery if you will not be using the device for a long period of time.
- Keep your device in a dry place.

Assembly Instruction





Costumer Support

DOSTMANN electronic GmbH
Mess- und Steuertechnik
Waldenbergweg 3b
D-97877 Wertheim-Reicholzheim
Germany
Phone: +49 (0) 93 42 / 3 08 90
E-bail: info@dostmann-electronic.de
Internet: www.dostmann-electronic.de

Documents / Resources

	DOSTMANN V215 Precision Thermometer [pdf] Instruction Manual V215, V315, V215 Precision Thermometer, V215, Precision Thermometer, Thermometer

References

- electronic.de