DT-200 user manual
Precise thermocouple digital thermometer

termoprodukt

Thermometer DT-200 is intended for temperature measurements in ranges -100°C to + 200°C depending on external probe. It is equipped with a thermocouple mini socket. The device may be used to measure the temperature during the storage and transport of vaccines, medicine, and food, as well as production and warehousing, etc.

Temperature measurement

The current temperature appears on the screen once it is turned on. To turn it on or off press the ON/OFF button.

Charging

To charge the device, connect it via the micro-USB cable to the charging port. The average charging time for the battery is 1.5 hour.

HOLD, MIN, and MAX functions.

Hold function allows to „freeze" current temperature and show it till the button is pressed again. To use this function press ⚙ button. Min/max function shows minimal and maximal registered temperature and can be seen at the bottom of the screen.

Settings menu

Menu contains 6 settings, which are responsible for setting alarms and contrast settings. To enter the settings menu press and hold ⚙ button for 3 seconds. Pressing the same button in the menu allows to accept the setting and after accepting 6 settings it goes back to the main screen.

Screen Backlight

To turn on the display backlight, press the ☀ button. The backlight will remain on for approximately 15 seconds.

Calibration

DT-200 thermometer is calibrated using the reference thermometer DTI 1000, serial number 008954-01159, manufactured by Ametek Jofra Instruments, with a declaration of conformity to European Union standards. We declare that the DT-200 thermometer has been manufactured in accordance with the following standards:

Directive 2006/42/EC
Directive 2014/35/EU
Directive 2014/30/EU
PN-EN ISO 12100:2012
PN-EN ISO 13857:2010
PN-EN 349+A1:2010
EN60335-1:2012
EN60335-2-40:2004/A2:2009
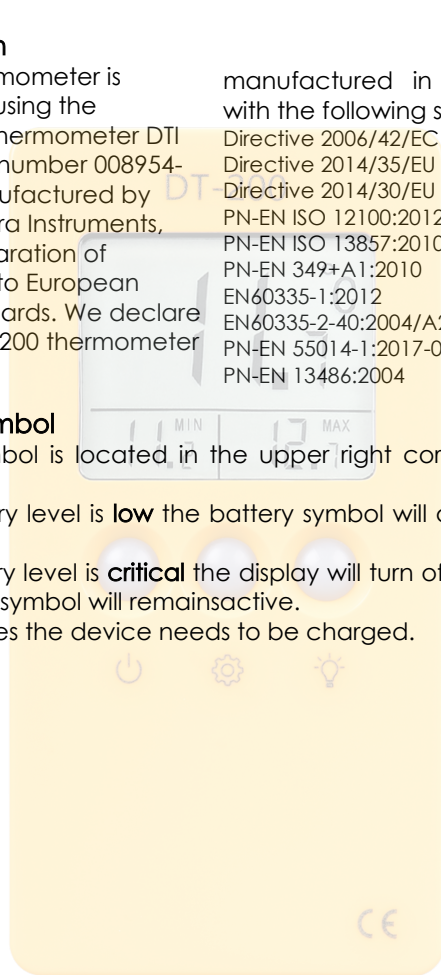PN-EN 55014-1:2017-06
PN-EN 13486:2004

Battery Symbol

Battery symbol is located in the upper right corner of the display.
If the battery level is **low** the battery symbol will appear on the screen.
If the battery level is **critical** the display will turn off and only the battery symbol will remainsactive.
In both cases the device needs to be charged.

Temperature probes

Device is equipped with mini socket which allows plugging in different types of probes which are equipped with mini plug. Termoprodukt company offers matching types of probes which are listed below. Use qr code to visit our site and learn more.

- ST-01K (-50°C to 250°C) probe length 120mm
- ST-16   (-30°C to 180°C) probe length 120mm
- ST-17   (-76°C to 260°C) probe length 135mm
- ST-20   (-100°C to 200°C) probe length 120mm
- ST-K   (-200°C to 800°C) probe length 300mm

Parameter	DT-200
Measurement Range	-100°C to 200°C
Measurement Resolution	0.1°C
Accuracy	with ST-01 K probe: -/+0.6°C or better in range from 0°C to 200°C
Measuring Frequency	2 measurements per second
Battery Life on single charge	approximately 2160 hours
Power Supply	Battery Li-ion 3.7V 800mAh
Case Dimensions	45 mm × 100 mm × 19 mm
Display	LCD
Case Protection Rating	IP65