

USER MANUAL

DT-1

The DT-1 thermometer is designed to measure temperatures in the range of -100°C to 270°C. It is equipped with a measurement probe featuring a PT 1000 sensor. The device can be used for measuring the temperature of food products, in laboratories, refrigerators, or cold storage facilities.

Available measurement probes are:

Type	L [mm]	Φ [mm]	Lp [m]	Tp [°C]	C*
ST-01	100	3,3	1	100	PO
ST-11	100	3,3	1	260	PF
ST-22	90	3	1	100	PO

Markings:

L – blade length

Φ – blade diameter

Lp – cable length

Tp – cable operating temperature

*C – Cable type:

PF – PFA


SI – silicone

FE – FEP


PO – polyurethane

Probe type	Temperature range
ST-01-1100	-100°C to 270°C
ST-11-1100-PFA	-100°C to 270°C
ST-22	-100°C to 270°C
ST-05-S-50	-40°C to 180°C
ST-05-F-50	-100°C to 270°C


Turning the device on

To turn the device on or off, press the button . When the device is turned on, the current temperature appears on the display.

HOLD Function

The HOLD function allows the "freezing" of the measured value, displaying it until the function is turned off. To enable the function, press the button .

MIN/MAX Functions

The MIN and MAX functions display the lowest and highest temperature values recorded since the device was turned on. To view these values, press the button repeatedly . The "MIN" icon and the lowest temperature value will appear on the left side of the display, along with the "MAX" icon and the highest temperature value.


Charging the battery

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

Storing the device

When the device is not in use, it is recommended to store it at a temperature of 23°C ± 2°C.

Display backlight

To activate the display backlight, press the button . The backlight stays on for approximately 9 seconds.

Battery symbol

The battery symbol is located in the top right corner of the screen. When the battery level is low, the symbol will be active.

Power supply

The device is powered by a 3.7V, 800mAh lithium-ion battery. The battery can be charged at least 500 times. Using the thermometer below or above the permissible operating temperature may reduce the number of battery charges and could even damage the battery.

Neodymium magnet

There is a neodymium magnet on the back of the device housing, allowing it to be attached to metal surfaces.

Calibration

The DT-1 thermometer is calibrated using a reference thermometer DTI 1000, serial number 008954-01159, manufactured by Ametek Jofra Instruments, which has a declaration of conformity with European Union standards.

We confirm that the DT-1 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

Parameter	DT-1
Measurement Range	-100°C - 270°C
Operating Temperature Range	-30°C - 40°C
Measurement Resolution	0,01
Accuracy	-80,00°C to -50,00°C -/+0,50°C -49,99°C to -0,00°C -/+0,40°C 0,01°C to 100,00°C -/+0,10°C 100,01°C to 150,00°C -/+0,10°C 150,01°C to 200,00°C /+0,25°C 200,01°C to 270,00°C -/+0,5°C
Measuring Frequency	2 measurements per second
Battery Life	Approximately 4 months of continuous operation
Power Supply	Li-ion 3.6V 800 mAh
Case Dimensions	120x67x12,5mm
Display	LCD
Case Protection Rating	IP66
Sensor cover material	Grade 321 steel

WARRANTY CARD

It is necessary to present this card for warranty repairs.

SERIAL
NUMBER.....

TECHNICAL
CHECK.....

SALES
DATE.....

STAMP AND SIGNATURE

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