



Serial number: .....

Technical control: .....

Date of sale: .....

Point of sale's stamp and signature:

.....



**Digital thermometer DT-1**  
**DT-1**

**OPERATING INSTRUCTION**

**GENERAL DESCRIPTION**

DT 1 - The device is made of ABS material which protects the device from mechanical damage.  
 The device is designed very carefully and creates a nonleaking union between elements so it is resistant to dust, dirt and water.  
 The probe is made of acid-resistant steel to measure fast the temperature of semi-solid and liquid samples and temperature of air.  
 With Pt1000 sensor it is possible to measure temperature with an excellent accuracy 0,07°C.  
 The measurement is stable in time, the thermometer saves accurate data in a long term thanks to platinum sensor.

**SPECIFICATIONS**

temperature measuring range: -50°C to 270°C  
 operating temperature: 0°C to 40°C  
 operating temperature for polyurethane cable and handle: max 100°C  
 measuring range with ST01-1100 probe and polyurethane cable: -50°C to 270°C  
 measuring range of ST05 probe probes with polyurethane cable type ST05-P-07-02: -50°C to 100°C  
 probes with silicone cable type ST05-S-07-04: -50°C to 180°C  
 probes with FEP cable type ST05-F-07-04: -50°C to 270°C  
 resolution: 0,01°C  
 accuracy of measurement with ST01-1100 probe:  
 -/+0,07 from -10°C to 100°C;  
 -/+0,15 from 101°C to 170°C  
 feed: 1/2xAA 3,6V(lithium battery)  
 display: LCD 3 1/2 digit  
 casing size: 45x100x19 mm  
 casing protection degree: IP66  
 ST01-1100 probe: size 3x100 mm, on request  
 probe's cable length: Lp=1 m  
 sensor's cover material: acid-resistant steel 1H18N9T

**PRELIMINARY EXAMINATION**

Remove the DT-1 from the packing box. Carefully examine thermometer to make sure that no damage has occurred during shipment. Notify to your dealer if there is any damage. DT-1 is supplied with battery and instructions.

**OPERATION**

DT-1 is switched on by pressing ON/OFF button located on the front of the instrument. Insert the probe in the sample. Wait a few seconds for the display to stabilize, depending on the nature of the measurement that can take few second.  
 Remember: do NOT immerse the probe handle.  
 do NOT wrench the probe or put heavy objects on the cable. If the cable is damaged, the meter needs to be replaced.  
 After use, always switch the meter off.

Press the HOLD/MIN/MAX button to capture the temperature reading. Reading will be flashing in the display. Press HOLD/MIN/MAX button again to display maximum reading, MAX symbol displayed.  
 Press HOLD/MIN/MAX button again to display minimum reading, MIN symbol displayed.

Max/Min readings are not saved so switching the thermometer off will clear the max/min readings.

**BATTERY REPLACEMENT** – when battery symbol appear on display (right upper corner) replace the battery, using a 1/2xAA 3,6Vlithium battery. The battery is located under the battery cover at the rear of the instrument, remove the two screws, remove the battery cover and change the battery, paying attention to its polarity. Replace the cover and tighten the two screws.

EMC/RFI - if operated within a high frequency radio field instrument performance may be affected, example: near a mobile phone, or if subjected to an electrostatic shock.

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**DT-1**



**WARRANTY**

These meters are guaranteed for one year against defects in workmanship and materials when used for its intended purpose and maintained according to instructions. Probes are guaranteed for a period of six months. This warranty is limited to repair or replacement free of charge. The product guarantee does not cover damages caused by fair wear and tear, abnormal storage conditions, incorrect use, accidental misuse, abuse, neglect, misapplication or modification. If service is required, contact the dealer from whom you purchased the instrument. If under warranty, report the model number, date of purchase, serial number and the nature of the failure. If the repair is not covered by the warranty, you will be notified of the charges incurred. When shipping any instrument, make sure it is properly packaged for complete protection.  
 In line with our policy of continuous development, we reserve the right to amend our product specification without prior notice.