

Components and accessories

Digital thermometer

Digital thermometer DTM 3000 spesial



Cost-effective high-accuracy manual thermometer with a resolution of 0.01°C, controlled by a microcontroller

The DTM 3000 spesial electronic digital thermometer stands out primarily in terms of its very high accuracy, low power consumption, low weight and simplicity of operation. The unit has been designed to provide highly accurate measurements over a temperature range from -20...+110°C. The sensor is permanently connected to the unit and is calibrated together with the latter. If the measurement moves out of range at the top or bottom end "Err2" or "Err1" is displayed respectively.

The unit is switched on by actuation of the on/off button. A segment check is then executed, during which all segments of the display are exercised for few seconds. Two additional buttons provide convenient measurement operations. With the max/min button the maximum and minimum measured values are stored in each case. If this button is actuated for approx. 3secs the previous values are deleted. The hold button enables the storage of the current measured value. A serial RS232 interface is installed as standard. The interface cable and the evaluation software can be purchased as optional extras. The DTM 3000 spesial digital thermometer is supplied with an immersion sensor of 2x100mm immersion tube length as standard. For particular measurement problems we can also manufacture cost-effective and customized sensor to your specifications.

* Interface cable and evaluation software must be purchased as optional extras.

Input

Pt100 permanently connected

Measuring range

-20°C ... +110°C

Resolution

0.01°C

Display

LCD 4-digit, 11mm character height

Accuracy

± 0.03°C ± 1 Digit

Operating temperature range

0°C ...+70°C

Power supply

Components and accessories

Digital thermometer

Digital thermometer DTM 3000 spezial

9 Volt battery, 6F22

Sampling rate

maximum 1/s (configurable via software)

Battery operation time

> 500h at 1/s

Features

Maximum. Minimum, Hold

Case material

ABS black

Dimension

60 x 120 x 26 mm (BxHxT)

Weight

approx. 130g

Interface

RS232*

USB*