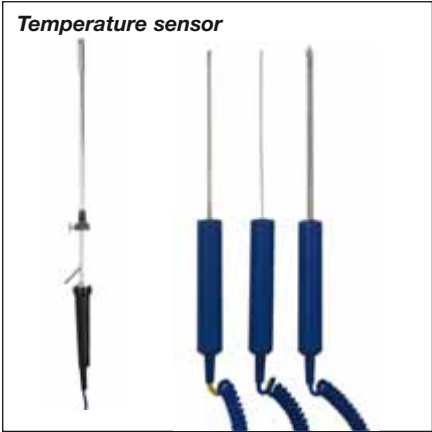


Handheld electronic thermometers

TM5 and TMD5



Application

For simple, accurate and extremely fast measurements of surfaces (e.g. supply and return pipes), liquids, soft plastic media, air/gases and extremely small objects as well as thermal throughput values and insulation values.

Description

TM5 and TMD5 electronic thermometers consist of an electronic measuring system type K (NiCr-Ni) and a microprocessor-controlled evaluation and display system. A 4-digit LCD display shows the measured values. The instruments are supplied by 9 V batteries. When the unit is switched on, all available segments of the display are shown for 2 seconds. After this segment test, the unit is ready for operation. The instruments feature a measurement unit selection facility (Celsius or Fahrenheit). With the TMD5, it is sufficient to press a key to switch between the measured values T_1 , T_2 and T_1-T_2 (differential temperature). Accessories include a protective housing (with magnetic holder, stand, transparent slide) and a protective pocket.

Technical specifications

Sensor connection TM5

2-pole standard connector suitable for all NiCr-Ni sensors (type K).

Sensor connection TMD5

Two 2-pole standard connectors T_1 , T_2 and T_1-T_2 =differential temperature. Selectable via keypad.

Sensor principle

Thermocouple NiCr-Ni (type K)

Measuring range

-50 °C/+1,100 °C

Measured values

Minimum, maximum, current value

Accuracy of measurement

-50.0/0.0 °C ± 0.6 % of MV ± 0.5 °C
0.1/1,100 °C ± 0.5 % of MV ± 0.3 °C

Resolution

0.1 °C (from -50 °C/+99.9 °C)
1 °C (from 100 °C/1,100 °C)

Display

LCD 4 digits, 13 mm

Operating temperature range

Ambient: 0 °C/+50 °C
Storage/transport: -10 °C/+50 °C

Supply voltage

Battery 9 V (included)
Approx. 150 hours (zinc carbon battery)
Approx. 270 hours (alkaline battery, not included)

Housing

Plastic, blue
W x H x D: 70 x 125 x 34 mm

Weight

Approx. 200 g with battery

Features:

- Extremely fast measurements
- High resolution
- High accuracy
- Universal application

DG: H	Part no.	Price €
TM5	70046	
TMD5	70047	
Accessories		
Air, gas, liquid sensor up to 900 °C	69867	
Surface sensor up to 450 °C	69866	
Spike sensor up to 600 °C	69868	
HT sensor 1200 °C L = 700 mm	69853	
HT sensor 1200 °C L = 1000 mm	69854	
Protective pocket TM5/TMD5	69848	
Please enquire about other sensors, e.g. gripper sensor for pipes		