

# Handheld temperature measuring instruments TM7 / TMD7



- Short response time for measurements at cycles of a second
- Hold function for measured values
- A magnet at the back of the instrument allows for hands-free operation
- Robust protective sleeve to protect against dirt, impact and shock



**Application** For temperature measurement of surfaces, liquids, soft plastic media or in air and gases.

**Description** The TM7 / TMD7 electronic thermometers are ergonomically shaped, light-weight, handheld devices. A large, lit LC display allows for simultaneous indication of two measured values (current value, min. or max. value). The instruments feature a hold function, indication of the measured value in °C or °F as well as an automatic segment test during programme start. A magnet is provided at the rear side of the instrument to allow for hands-free operation, e.g. for adjustment work at gas heaters. In addition to measuring the temperature, TMD7 lets you determine the differential temperature at the press of a key.

## Technical specifications

Model	Measuring range	Resolution	Accuracy (% of measured value)
<b>TM7</b>	-50/+1,100 °C	0.1 °C (-50.0/+99.9 °C)	3.0 % ± 2.0 K (-50.0 to 0 °C) 0.5 % ± 0.5 K (0 to 99 °C)
		1 °C (100/1,100 °C)	0.5 % ± 0.5 K (100 to 1,100 °C)
<b>TMD7</b>	-50/+1,100 °C	0.1 °C (-50.0/+99.9 °C)	3.0 % ± 2.0 K (-50.0 to 0 °C) 0.5 % ± 0.5 K (0 to 99.9 °C)
		1 °C (100/1,100 °C)	0.5 % ± 0.5 K (100 to 1,100 °C)

### Operating temperature range

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

### Hours of operation

Max. 100 hours

### Weight

Approx. 250 g

### Dimensions

W x H x D 66 x 143 x 37 mm

### Display

LCD, transfective  
W x H: 46 x 48 mm

### Probe connection

TM7: 1 x socket for thermocouple  
TMD7: 2 x socket for thermocouple

### Supply voltage

2 x 1.5 V Mignon (AA) batteries

### Approvals

BlmSchV, EN 50379-2

### Scope of delivery

Measuring instrument with batteries,  
in protective sleeve with magnet

DG: H	Part no.	Price €
<b>TM7</b>	<b>70056</b>	
<b>TMD7</b>	<b>70057</b>	
Accessories		
<b>HT probe 700 mm</b>	69853	
<b>HT probe 1,000 mm</b>	69854	
<b>Spike probe</b>	<b>69868</b>	
<b>Air, gas, liquid probe</b>	<b>69867</b>	
<b>Surface probe</b>	<b>69866</b>	
<b>Clamp probe</b>	<b>69011</b>	



See page 553 for temperature probes and other accessories.