



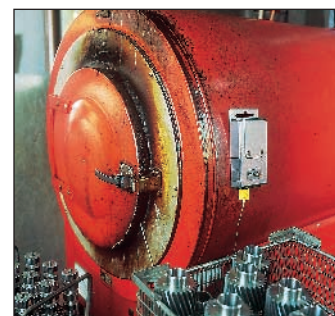
# High temperature data logger

- External probes
- Display/Print
- Battery: 5 years
- Housing: Aluminium
- 200 to +1000°C
- 55,000 readings



testostor 171-8, a compact data logger with 4 external thermocouple connections. The data logger is equipped for two different types of thermocouple:

- Type K (NiCr-Ni), quick-action probes for measurements from -200 to +1000°C
- Type T (Cu-CuNi), fast, accurate probes for meas. from -50 to +350°C



Monitors temperatures in a hardening furnace

- **Heat-proof case made of solid aluminium, housing protects data logger**

- NEW** ● **On-site application: Testo software for Palm OS® replaces laptop/PC**

- **Connection to all Testo thermocouple probes (Type K/T) possible with thermocouple plug**



Monitors the oven temperature of baking lines with heat-proof case

### testostor 171-8

#### 4 x external °C

testostor 171-8, temperature data logger, 4 channels, with starting magnet, battery and calibration protocol

Part no. 0577 1718

### Suitable probes at a glance

| Description  | Illustration | Meas. range      | Accuracy | 199 | Conn.       | Part no.  |
|--|--------------|------------------|----------|-----|-------------|-----------|
| Pipe wrap probe for pipe diameter 5 to 65 mm, with exchangeable measuring head. Measuring range short-term to +280°C |              | -60... +130 °C   | Class 2  | 5 s | Fixed cable | 0602 4592 |
| Spare meas. head for pipe wrap probe   |              | -60... +130 °C   | Class 2  | 5 s |             | 0602 0092 |
| Clamp probe for measurements on pipes, pipe diameter 15 to 25 mm (max. 1"), meas. range short-term up to +130°C      |              | -50... +100 °C   | Class 2  | 5 s | Fixed cable | 0602 4692 |
| Magnetic probe, adhesive force approx. 20 N, with magnets, for measurements on metal surfaces                        |              | -50... +170 °C   | Class 2  |     | Fixed cable | 0602 4792 |
| Magnetic probe, adhesive force approx. 10 N, with magnets, for higher temp., for measurements on metal surfaces      |              | -50... +400 °C   | Class 2  |     | Fixed cable | 0602 4892 |
| Immersion tip, flexible  |              | -200... +1000 °C | Class 1  | 5 s |             | 0602 5792 |
| Thermocouple, flexible, 800mm long, fibre glass  |              | -50... +400 °C   | Class 2  | 5 s |             | 0602 0644 |
| Thermocouple, flexible, 1500mm long, fibre glass   |              | -50... +400 °C   | Class 2  | 5 s |             | 0602 0645 |
| Thermocouple, flexible, 1500mm long, Teflon  |              | -50... +250 °C   | Class 2  | 5 s |             | 0602 0646 |

## Practical accessories and recommended sets



Display with print option, can be attached to data logger

Part no. 0554 0175

Display can be attached to data logger

Part no. 0554 0176



Testo printer with 1 roll of thermal paper and 4 AA size batteries

Part no. 0554 0545

### testostor 171-8, Food set



testostor 171-8, temperature data logger

Immersion tip, flexible

Immersion tip, flexible

Immersion tip, flexible

Immersion tip, flexible

ComSoft 3

Interface

Display

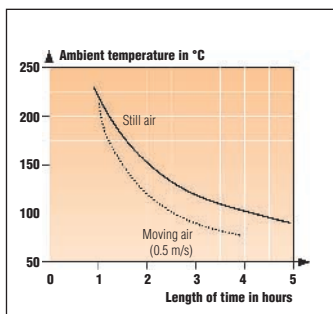
Transport case (plastic)

Recommended: Heat-proof case - See below and order right away!



**NEW** testostor 171 data logger, connection for Palm OS® (Palm OS® not included)  
In connection with ComSoft 3, Part no.: 0554 0830

Part no. 0554 0805



The diagram shows how long testostor 171-8 in a heat-proof case can be subjected to a certain ambient temperature before the maximum inner temperature of +70°C is reached.

### Heat-proof case



Heat-proof case with heat-proof insert, rubber seal, 4 clamp screw connections for thermocouples with diameter of 1.5 mm

When the heat-proof case is used, the data logger can handle processes with an operating temperature of up to +200°C

Material/Housing Aluminium, anodized

Dimensions 260x160x90 mm

Warranty 2 years

Part no. 0553 1701

### Ordering data for Accessories

#### Part no.

|   |           |
|---|-----------|
| Display can be attached to data logger<br>For quick checks on location  | 0554 0176 |
| Display with print option, can be attached to data logger<br>For quick checks on location   | 0554 0175 |
| Testo printer with 1 roll of thermal paper and 4 AA size batteries<br>Prints readings on location   | 0554 0545 |
| Recharger for printer (with 4 standard rech. batt.)   | 0554 0110 |
| Spare thermal paper for printer (6 rolls)   | 0554 0569 |
| Spare thermal paper for printer (6 rolls)   | 0554 0568 |
| Measurement data documentation legible for up to 10 years   |           |
| Heat-proof case with heat-proof insert, rubber seal, 4 clamp screw connections for thermocouples with diameter of 1.5 mm                                | 0553 1701 |
| Optical alarm display for data logger, battery-operated<br>Warns if limits have been exceeded   | 0628 0025 |
| Holder with lock for data logger<br>Theft-proof   | 0554 1782 |
| Lock for attached display<br>Suitable for holder 0554 1782  | 0554 1789 |
| Extension cable, 5m, for Type K thermocouple probe  | 0554 0592 |
| <b>NEW</b> testostor 171 data logger, connection for Palm OS®<br>In connection with ComSoft 3, Part no.: 0554 0830                                      | 0554 0805 |
| ComSoft 3 - Professional with data management<br>Incl. database, analysis and graphics function, data analysis, trend curve                             | 0554 0830 |
| <b>NEW</b> ComSoft 3 - For requirements in accordance with CFR 21 Part 11<br>Incl. database, analysis and graphics function, data analysis, trend curve | 0554 0821 |
| Interface, attachable to data logger  | 0554 1781 |
| Spare battery for testostor 171<br>Quick and easy battery replacement   | 0515 0018 |
| Transport case (plastic) for data loggers (max. 5 off) and accessories  | 0516 0117 |

**ISO calibration certificate/Temperature** 0520 0141

Temperature data logger; calibration points selectable from -30 to +180°C

**ISO calibration certificate/Temperature** 0520 0171

Temperature data logger; calibration points -8°C; 0°C; +40°C per channel/instrument

**DKD calibration certificate/Temperature** 0520 0281

Data logger, transmitter, probe without display; cal. points freely selectable from -80 to +1000°C

### Technical data

| Probe type            | Type K (NiCr-Ni)   | Type T (Cu-CuNi)   |
|-----------------------|--|--|
| Meas. range           | -200... +1000 °C   | -50... +350 °C   |
| Accuracy<br>± 1 digit | ±(0.4 °C ±0.2% of mv)<br>(0... +40 °C)<br>±(0.5 °C ±0.2% of mv)<br>(+40.1... +70 °C) | ±(0.4 °C ±0.2% of mv)<br>(0... +40 °C)<br>±(0.5 °C ±0.2% of mv)<br>(+40... +70 °C) |
| Resolution            | 0.1 °C (-200... +249.9 °C)<br>1 °C (+250... +1000 °C)                                | 0.1 °C (-50... +249.9 °C)<br>1 °C (+250... +350 °C)                                |

Oper. temp. 0... +70 °C

Storage temp. -40... +85 °C

Battery type Lithium battery

Dimensions 131x68x26 mm

Weight 305 g

Warranty 2 years

Measuring rate: 2s to 24h, selectable

Battery life: up to 5 years

Software: Menu-driven from Microsoft Windows  
95 / NT 4 Service pack 4