

## Professional long-term monitoring – With 4 probe sockets

### testo 177-T4

The testo 177-T4 professional data logger with up to 4 external temperature probe connections for simultaneous temperature measurement at different sites.

Fluctuations in temperature e.g. in production processes, in laboratories etc. often influence the overall result. Surface, immersion and air probes enable adaptation to the respective measurement task.

- Specially for use in high and low temperatures
- Read out data without interrupting the measurement series
- Data analysis in table or graphics form, with email function
- Memory for up to 48,000 readings

Collect data on site, upload to PC and analyse

Alarm message, efficient indication of limits exceeded



Checking technical systems (flow/return temperature) in production facilities

#### testo 177-T4

##### 4 x external °C

Temperature data logger, 4 channel, with 4 probe sockets, wall holder and calibration protocol

Part no. 0563 1774

#### Technical data

|                        |  |                         |                         |
|------------------------|--|-------------------------|-------------------------|
| Chann. external (var.) | 4  |                         |                         |
| <b>Probe type</b>      | <b>Type T (Cu-CuNi)</b>  | <b>Type K (NiCr-Ni)</b> | <b>Type J (Fe-CuNi)</b> |
| Meas. range            | -200 to +400 °C  | -200 to +1000 °C        | -100 to +750 °C         |
| Accuracy<br>±1 digit   | ±0.5% of mv (+70.1 to +1000 °C)<br>±1.5% of mv (-200 to -100.1 °C)<br>±0.3 °C (-100 to +70 °C) |                         |                         |
| Resolution             | 0.1 °C   |                         |                         |
| Memory                 | 48000  | Measuring rate          | 2 s to 24 h             |
| Oper. temp.            | 0 to +70 °C  | Protection class        | IP43                    |
| Storage temp.          | -40 to +85 °C  | Weight                  | 129 g                   |
| Battery type           | Lithium battery  | Dimensions              | 103 x 64 x 33 mm        |
| Battery life           | 5 years at meas. cycle 15 min (-10 to +50 °C)  |                         |                         |
| Analysis software      | MS Windows 95b / 98 / ME / NT4-Sp4 / 2000 / XP   |                         |                         |

See page 46 for Accessories Ordering Data

#### Recommended Set: Set for monitoring technical systems

|   |           |
|---|-----------|
| Temperature data logger, 4 channel, with 4 probe sockets, wall holder and calibration protocol  | 0563 1774 |
| Lock for wall holder for testo 175/177 data loggers   | 0554 1755 |
| Pipe wrap probe for pipe diameter 5 to 65 mm, with exchangeable measuring head. Meas. range short-term to +280°C, TC Type K           | 0602 4592 |
| Pipe wrap probe for pipe diameter 5 to 65 mm, with exchangeable measuring head. Meas. range short-term to +280°C, TC Type K           | 0602 4592 |
| testo 580 data collector set with RS232, readout holders included, for testo 175/177 data loggers                                     | 0654 1778 |
| ComSoft 3 Set - Basic with USB interface, Basic software with diagram and table function, incl. desk-top holders, PC connection cable | 0554 1767 |

| Description   | Illustration        | Meas. range     | Accuracy | t99  | Part no.                        |
|---|---------------------|-----------------|----------|------|---------------------------------|
| Stationary probe with stainless steel sleeve, TC Type K   | 40 mm<br>Ø 6 mm     | -50 to +205 °C  | Class 2  | 20 s | 0628 7533<br>Conn.: Fixed cable |
| Pipe wrap probe for pipe diameter 5 to 65 mm, with exchangeable measuring head. Meas. range short-term to +280°C, TC Type K     |                     | -60 to +130 °C  | Class 2  | 5 s  | 0602 4592<br>Conn.: Fixed cable |
| Surface temperature probe fitting with M 14 x 1.5 outer thread and 2 nuts, fast action surface probe with cross-band, TC Type K |                     | -50 to +180 °C  | Class 2  | 3 s  | 0628 7521<br>Conn.: Fixed cable |
| Thermocouple with TC adapter, flexible, 800mm long, fibre glass, TC Type K  | 800 mm<br>Ø 1.5 mm  | -50 to +400 °C  | Class 2  | 5 s  | 0602 0644                       |
| Thermocouple with TC adapter, flexible, 1500mm long, fibre glass, TC Type K   | 1500 mm<br>Ø 1.5 mm | -50 to +400 °C  | Class 2  | 5 s  | 0602 0645                       |
| Thermocouple with TC adapter, flexible, 1500mm long, Teflon, TC Type K  | 1500 mm<br>Ø 1.5 mm | -50 to +250 °C  | Class 2  | 5 s  | 0602 0646                       |
| Efficient and fast-action immersion probe, waterproof, TC Type K  | 300 mm<br>Ø 1.5 mm  | -60 to +1000 °C | Class 1  | 2 s  | 0602 0593<br>Conn.: Fixed cable |

☐ The specified seal class of the data loggers is achieved with these probes.