

Electronic thermohygraph with external probes



Monitoring air humidity/temperature fluctuations in climatic cabinet

The testostor 171-6 data logger has 2 probe sockets. Example: 2 separate multi-function %RH/°C probes for simultaneous checks on room and ambient humidity.

The Testo humidity sensor is PTB approved and guarantees a constant high measuring accuracy over a wide temperature range. Analysis of the humidity data can be expressed in %RH, dew point, g/m³ water level.

- **Wide range of probes**
- **On-site application:**
Testo software for Palm OS® replaces laptop/PC
- **Probes can be positioned quickly and easily**
- **Data analysis using Testo printer or PC**

testostor 171-6

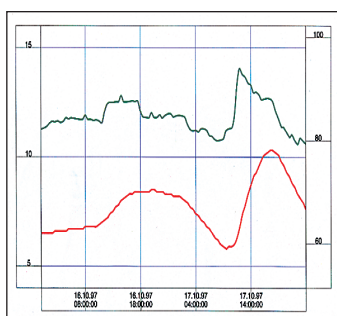
2 x ext.: %RH/°C or °C, td

testostor 171-6, humidity data logger for %RH, °C, td, incl. starting magnet, battery and calibration protocol

Part no. 0577 1716



- External probes
- Display/Prints
- Battery: 5 years
- Housing: aluminium
- ±2% of reading
- 55,000 readings



Graphic proof of humidity/temperature fluctuations

Suitable probes at a glance

Description	Illustration	Meas. range	Accuracy	t ₉₀	Cable/Length	Part no.
Humidity/temperature probe with standard plastic protection cap	180 mm Ø 12 mm	0 to +100 %RH -20 to +70 °C	±2 %RH (+2 to +98 %RH) ±0.4 °C (-10 to +50 °C) ±0.5 °C (-20 to -10.1 °C) ±0.5 °C (+50.1 to +70 °C)	12 s	3 m	0636 9717
Mini humidity/temperature module for measurements at inaccessible points, module cable 1.5m long, probe tip 49x18x7mm	49x18x7 mm	0 to +100 %RH -20 to +120 °C	±2 %RH (+2 to +98 %RH) ±0.5 °C (-20 to +120 °C)	20 s	1.5 m	0628 0008

Description	Illustration	Meas. range	Accuracy	t ₉₀	Conn.	Part no.
Wall surface temperature probe, e.g. provides proof of damage to building material, cable 1.5m long, probe tip 40x15x0.2 mm	40x15x0.2 mm	-50 to +120 °C	±0.5 °C (-50 to +120 °C)	20 s	Fixed cable	0628 0007
Robust immersion/air probe, quick-action, 6m cable, IP68 probe tip	40 mm Ø 3 mm	-50 to +80 °C	±0.2 °C (-25 to +80 °C) ±0.4 °C (-50 to -25.1 °C)	5 s	Fixed cable	0610 1720
Air probe, highly accurate, can be attached directly	30 mm Ø 3 mm	-35 to +70 °C	±0.2 °C (-35 to +70 °C)	180 s		0610 1722

Ordering data for Accessories

	Part no.
Display can be attached to data logger	0554 0176
Display with print option, can be attached to data logger	0554 0175
Testo printer with 1 roll of thermal paper and 4 AA size batteries	0554 0545
testostor 171 data logger, connection for Palm OS® (from version 3.5) In connection with ComSoft 3, Part no.: 0554 0830	0554 0805
ComSoft 3 - Professional with data management Incl. database, analysis and graphics function, data analysis, trend curve	0554 0830
ComSoft 3 - For requirements in accordance with CFR 21 Part 11 Incl. database, analysis and graphics function, data analysis, trend curve	0554 0821
Interface, attachable to data logger	0554 1781
NEW Ethernet adapter, RS 232 - Ethernet incl. software driver, mains unit	0554 1711
Holder with lock for data logger	0554 1782
ISO calibration certificate/Humidity Electronic hygrometers; calibration points 11.3%RH and 75.3%RH at +25°C	0520 0006
DKD calibration certificate/Humidity Electronic hygrometers; calibration points 11.3%RH and 75.3%RH at +25°C	0520 0206

See opposite page for more Ordering data

Technical data

Probe type	Testo humid. sensor, cap.	NTC	Calc. parameter
Meas. range	0 to +100 %RH	-50 to +120 °C	-30 to +50 °C td
Accuracy ±1 digit	±2 %RH (+2 to +98 %RH)	±0.4 °C (-10 to +50 °C) ±0.6 °C (-50 to -10.1 °C) ±0.6 °C (+50.1 to +120 °C)	
Resolution	0.1 %RH (0 to +100 %RH)	0.1 °C (-50 to +120 °C)	
Memory	55000		
Oper. temp.	-20 to +70 °C		
Storage temp.	-40 to +85 °C		
Battery type	Lithium battery (2032)	Meas. rate: 2s to 24h freely selectable	
Dimensions	131 x 68 x 26 mm	Software: menu-driven from Microsoft Windows 95 / NT 4 Service pack 4	
Weight	305 g		
Warranty	2 years	Battery life: 5 years	