Be sure. testo

Data logger
Temperature and humidity

testo 175 H1

- High level of data security
- Large, easily legible display
- Measurement data memory for 1 million measurement values
- Up to 3 years‘ battery life
- Data transfer via USB cable or SD card
- Permanently installed external capacitive humidity sensor

°C

%RH

td

g/m³

IP54

With its long-term stable humidity sensor, the testo 175 H1 is the professional data logger for the monitoring of temperature and relative humidity in work and storage rooms. The external humidity probe (stub) stands out thanks to faster reaction times in comparison to probes installed inside the housing. Energy savings are an important topic for buildings. The free ComSoft Basic software allows fast programming of the data logger as well as easy data analysis.The testo 175 H1 continuously records temperature and humidity values and, in addition to temperature and humidity, also shows the dewpoint in the display if required. The indoor climate is thus monitored, emphasizing the need for targeted ventilation and air exchange.

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Technical data / Accessories

testo 175 H1

testo 175 H1, 2-channel temperature and humidity data logger with external humidity sensor (NTC/capacitive humidity sensor), incl. wall holder, lock, batteries and calibration protocol

Part no. 0572 1754

General technical data

Channels	2 x internal (stump)
Battery type	3 x battery type AAA or Energizer L92 AAA-size cells
Battery life	3 years (15 min. measuring cycle, +25 °C)
Operating temperature	-20 to +55 °C
Storage temperature	-20 to +55 °C
Dimensions	149 x 53 x 27 mm
Weight	130 g
Housing	ABS/PC
Protection class	IP54
Measuring rate	10 s - 24 h
Memory	1 mio. measurement values

Sensor types

	NTC	**Calc. parameter td**	**Testo humid. sensor, cap.**
Measuring range	-20 to +55 °C	-40 to +50 $°C_{td}$	0 to 100 %RH*
Accuracy ±1 digit	±0.4 °C (-20 to +55 °C)	+0.03 %RH/K	±2 %RH (2 to 98 %RH) at +25 °C
Resolution	0.1 °C		0.1 %RH

* Not for condensing atmospheres. For continuous use in high humidity (>80 %RH at ≤30 °C for >12 h, >60 %RH at >30 °C for >12 h), please contact us via our website.

Accessories	**Part no.**	
Mobile printer for data loggers testo 175/176/184	0572 0576	
Wall holder (black) with lock for testo 175	0554 1702	
Cable for connecting the data loggers testo 175 and testo 176 to the PC, Mini-USB to USB	0449 0047	
SD card - for collecting the measurement data from the data loggers testo 175 and testo 176; 2 GB; application range to -20 °C	0554 8803	
Battery for testo 175 Range of application to -10 °C, alkali manganese microcell AAA (please order 3 batteries per logger)	0515 0009	
Batteries for for use below -10 °C, lithium batteries AAA (3 off)	0515 0042	
ComSoft Basic, Basic software for programming and readout of Testo data loggers; graphic and tabular measurement value presentation as well as export function (if free download with registration not desired)	0572 0580	
ComSoft Professional, Pro software incl. data archiving	0554 1704	
ComSoft CFR 21 Part 11, Software for requirements according to CFR 21 Part 11 for Testo data loggers	0554 1705	
ISO calibration certificate temperature temperature probe; calibration points -18 °C; 0 °C; +40 °C per channel/instrument	0520 0153	
DAkkS calibration certificate/temperature temp. data logger; cal. points -18 °C; 0 °C; +40 °C; per channel/instrument	0520 0262	
ISO calibration certificate humidity calibration points 11.3 %RH and 75.3 %RH at +25 °C/+77 °F; per channel/instrument	0520 0076	
DAkkS calibration certificate humidity humidity probe; cal. points 11.3 %RH and 75.3 %RH at +25 °C; per channel/instrument	0520 0246	

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Subject to change without notice.

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