

testo 176 H1

Humidity/temperature logger, 4 channels

Sensitive products require the right ambient conditions during production and storage. Efficient measurement and documentation of readings over months/years is possible with the professional testo 176 H1 data logger.

- Parallel temperature and humidity measurement
- Different connectable humidity and temperature probes, e. g. for humidity monitoring in storerooms

testo 176 H1, 4-channel temperature and humidity data logger with external sensor connections (NTC/capacitive humidity sensor) incl. wall holder, lock, battery and calibration protocol

Part no.
0572 1765



Technical data	
Sensor	NTC/ capacitive humidity sensor
Channels	2 probes, 4 external channels
Measurement units	°C, °F, %RH, td, g/m ³ , WB
Measuring range	-20 to +70 °C -40 to +70 °C _{td} 0 to 100 %RH
Accuracy ± 1 digit	±0,2 °C (-20 to +70 °C) ±0,4 °C (rest of measuring range)
Accuracy %RH	abhängig vom gewählten Fühler
Resolution	0.1 °C, 0.1 %RH
Battery life (at +25 °C)	8 years at 15 min. meas. rate
Operating temperature	-20 to +70 °C
Storage temperature	-40 to +85 °C
Dimensions	103 x 63 x 33 mm
Battery type	1 x Lithium (TL-5903)
Protection class	IP 65
Meas. cycle	1 sec - 24 h
Memory	2 mio. measurement values
Software	ComSoft Basic 5 ComSoft Professional 4 ComSoft CFR 21 Part 11

Accessories	Part no.
USB cable - Cable for connecting the data loggers testo 176 with a PC, mini USB to USB	0449 0047
SD card - for collecting the measurement data from the data loggers testo 176, application range to -20 °C	0554 8803
Wall holder - (black) with padlock for testo 176	0554 1703
Battery for testo 176 - 1 x TL-5903 AA cell	0515 1760

Accessories	Part no.
Software	
ComSoft Basic 5 - CD ComSoft Basic 5 (if free, registration-mandatory download not wanted)	0572 0580
ComSoft Professional 4 - 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
Calibration Certificates	
ISO temperature calibration certificate; temperature probe; calibration points: -18 °C, 0 °C, +40 °C; per channel/instrument	0520 0153
ISO humidity calibration certificate; humidity probe; calibration points: 11.3 %RH and 75.3 %RH at +25 °C/+77 °F; per channel/instrument	0520 0076
DKD humidity calibration certificate; humidity probe; calibration points: 11.3 %RH and 75.3 %RH at +25 °C/+77 °F; per channel/instrument	0520 0246
DKD temperature calibration certificate; temperature probe; calibration points: -18 °C, 0 °C, +60 °C; per channel/instrument	0520 0261