

testo 176 P1

Der vielseitige und hochgenaue 5-Kanal datenlogger mit dem zusätzlich zur Temperatur und Feuchte auch Druck gemessen werden kann.

testo177 P1, 5-channel pressure, temperature and humidity data logger with internem sensor (absolute pressure) and external sensor connections (NTC/capacitive humidity sensor) incl. wall holder, lock, battery and calibration protocol

Part no.

0572 1767

Pressure/humidity/temperature logger, 5 channels

- Highly accurate and secure documentation of the ambient conditions e. g. in a laboratory
- Internal absolute pressure sensor and connection possibilities for two external humidity probes



Technical data	
Sensor	NTC/ capacitive humidity sensor/ absolute pressure sensor
Channels	1 x internal, 2 probes external, 4 external channels
Measurement units	°C, °F, %RH, td, g/m ³ , hPa, mbar, in Hg, in H ₂ O, psi
Measuring range	-20 to +70 °C -40 to +70 °C _{td} 0 to 100 %RH / 600 mbar to 1100 mbar
Accuracy ± 1 digit	±0.2 °C (-20 to +70 °C) ±0.4 °C (remaining measuring range) ±3 mbar (0 to 50 °C)
Accuracy %RH	abhängig vom gewählten Fühler

Resolution	0.1 °C, 0.1 %RH, 1 mbar
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 54
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
ISO calibration certificate absolute pressure, pressure sensor, 5 calibration points over measuring range	0520 0261
DKD calibration certificate absolute pressure, pressure sensor, 11 calibration points over measuring range	0520 0261