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

External capacitive humidity sensor for faster response to environmental changes

°C

°F

%RH

td

g/m³

The testo 175 H1 temperature and humidity logger has an external stub sensor designed for long term reading stability. This logger's internal memory will hold up to 1 million readings, which equates to 15 minute reading intervals for 10,416 days, or over 28 years.

The 175 H1 logger is especially perfect for monitoring long term ambient conditions in museums, laboratories, hospitals, or office buildings.

Testo 175 loggers can be programmed, analyzed, and have data retrieved with the ComSoft Basic 5 software (free download), as well as the more sophisticated ComSoft Pro and ComSoft CFR programs.

Testo Inc. also offers NIST calibration services for testo 175 H1 and other loggers.

www.testo.com

We measure it. **testo**

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 factory calibration document

Part no. 0572 1754

General technical data

Channels	2 x internal (stump)
Battery type	3 x Type AAA Alkaline or Lithium batteries
Battery life	3 years at 15 min. meas. rate
Operating temperature	-20 to +55 °C
Storage temperature	-20 to +55 °C
Dimensions	149 x 53 x 27 mm
Protection class	IP54
Measuring rate	10 s - 24 h
Memory	1 million 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 thermal 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, 5 Pin Mini USB (B) to USB (A)	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 - Application range below -10 °C, Lithium AAA (please order 3 batteries per logger)	0515 0042
ComSoft Basic 5 Software used to program and readout loggers. Includes graphs, tables, and export function. Order as a CD, or go to testo.com for a free download	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
NIST calibration certificate temperature temperature probe; calibration points 10 °C, 25 °C, 40 °C or -20 °C, 25 °C, 40 °C per channel/instrument	400520 1901
NIST calibration certificate humidity calibration points 11.3 %RH and 75.3 %RH at +25 °C/+77 °F; per channel/instrument	400520 2601

0981 3844/cw/A/08.2016

Subject to change without notice.