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ESIS
 Industrial Electronics

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testo 608-H1/-H2

The precise thermohygrometer with long-term stability

For accurate measurement of temperature, humidity and dew point



Visual alarm is triggered if limit values are exceeded (608-H2)

°C

%RH

°C td



Accurate monitoring of conditions in store rooms with accuracy of $\pm 2\%$ RH



Avoid property and mould damage with dew point monitoring and control



Ideal for personal comfort measurements in rooms



Reasons for choosing a Testo thermohygrometer

A reliable and accurate humidity sensor is needed for humidity measurements that you and your customers can trust. The testo 608 incorporating, the patented Testo® humidity sensor, with accuracy acknowledged by seven worldwide national standards laboratories allows you to measure with confidence.

- Efficient
- Long-term stability
- Maintenance-free
- Not affected by water
- Robust
- Wide measuring range from 2 to 98 %RH

For years to come, you will continue to make accurate measurements using our capacitive humidity sensor, without the need for any maintenance! Traditional hair hygrometers or low cost, electronic humidity sensors are often inaccurate or easily affected by water and have a limited measuring range.

Testo's thermohygrometer is available in 2 versions:

Affordable hygrometer: testo 608-H1

- Integrated patented Testo® humidity sensor
- Battery-operated non-stop measurement of relative humidity, dew point and temperature
- Min/max value display with reset function
- Low battery signal
- Instrument can be placed upright on a desk or table or hung on the wall



Accurate alarm hygrometer: testo 608-H2

- All the advantages of **testo 608-H1**
- Monitors upper and lower limit value with visual alarm for temperature, humidity or dew point
- Guaranteed accuracy ± 2 %RH over the entire measuring range
- Calibration protocol included
- With integrated calibration function using Testo's reference system

Quality and Comfort

Ambient air conditions influence product quality and personal comfort level

All hygroscopic (water absorbing) materials or products, absorb moisture until they are in balance with the ambient air. If the ambient moisture is too low or too high, this could have a negative effect on the product quality or a person's comfort level. For this reason, ambient air conditions have to be constantly measured and monitored in nearly all areas.

Applications:

Testo's thermohygrometers have been developed for the professional measurement of ambient air conditions and dew point in:

- Clean rooms
- Storage rooms (e.g. paper, wood, grains, fruit)
- Production (e.g. electronics)
- Residential homes and apartments (to prevent damage due to mould & dampness)
- Museums and libraries
- Gardening centres
- Offices
- Swimming pools etc.

Dew point

What is dew point?

At a given temperature, air can only absorb a certain amount of water vapour. The higher the temperature, the more water vapour it can absorb. The water in air condenses when it is saturated (corresponding to 100%RH). The temperature at which water vapour condenses to liquid water is known as the dew point (temperature).
Example: 20 °C and 50 % RH => 9.3 °C dew point (if the air is cooled to 9.3 °C, liquid water will develop).

Technical data

testo 608-H1	
Measuring range	+10 to +95 %RH 0 to +50 °C/+32 to 122°F -20 to +50 °C td
Accuracy	± 1 digit ± 0.5 °C/1°F (at +25 °C/77°F)
Resolution	0.1 °C (0 to +50 °C/32 to 122°F)
Accuracy	± 1 digit ± 3 %RH (+10 to +95 %RH)
Resolution	0.1 %RH (0 to +100 %RH)
Operating temperature	0 to +50 °C

testo 608-H2	
Measuring range	+2 to +98 %RH -10 to +70 °C/+14 to 160°F -40 to +70 °C td
Accuracy	± 1 digit ± 0.5 °C/1°F (at +25 °C/+77°F)
Resolution	0.1 °C (-10 to +70 °C/+14 to 160°F)
Accuracy	± 1 digit ± 2 %RH (+2 to +98 %RH)
Resolution	0.1 %RH (0 to +100 %RH)
Operating temperature	-10 to +70 °C

Common data	
Probe type	NTC temperature sensor, humidity sensor, capacitive
Dimensions	120 x 89 x 40 mm/4.7x3.5x1.6"
Storage temperature	-40 to +70 °C/-40 to +160°F
Battery type	9V block battery
Battery life	Approx. 8736 h
Measuring cycle	18 s
Weight	Approx. 168 g
Warranty	2 years

Order form

Simply copy this page, enter the quantity required and return to us by fax or by mail. Don't forget to include your name and address.



Qty.	Ordering data	Part no.
	testo 608-H1 hygrometer, humidity/dew point/temperature measuring instrument incl. battery, instruction manual	0560 6081
	testo 608-H2 alarm hygrometer, humidity/dew point/temperature measuring instrument incl. LED alarm, battery, calibration protocol, instruction manual	0560 6082
	ISO calibration certificate for humidity , cal. points 11.3 %RH and 75.3 %RH at +25 °C	0520 0006
Additional Testo products to measure and monitor temperature, relative humidity, dew point and material moisture		
①	testo 905-T2 for temperature measurement on surfaces (surface temperature important for determining if surfaces are at dew point temperature), incl. battery, instruction manual	0560 9052
②	Quicktemp 825-T2: Non-contact infrared thermometer with laser spot and audible alarm for surface temperature measurement (surface temperature important for determining if surfaces are at dew point temperature), incl. TopSafe and wall/belt holder, incl. battery and instruction manual	0560 8256
③	testo 605-H1 for spot checks on relative humidity, dew point and temperature in rooms or air conditioning ducts, incl. pocket clip, duct holder, battery, instruction manual	0560 6051
④	testo 606 with moisture scale for direct checks on wood/material moisture (e.g. flooring, plaster), incl. clip, battery and instruction manual	0560 6061

Subject to change without notice.

Send fax to:

Sender

Name _____

Department _____

Address _____

Date, Signature _____

Check here for other related product info:

- Testo Catalogue**
- Data logger** for temperature, humidity and dew point, electronic thermohygrographs for logging data. Data is output to your PC or printer.
- Application information** on humidity measurement
- Dew point transmitters (FA-200)** for humidity and temperature.
- Industrial transmitters** for humidity and temperature.