

Universal IAQ instrument

**testo 400 –
For TAB / Commissioning
and IAQ professionals**

Measures all parameters: Air velocity, temperature, humidity, pressure, illuminance, radiant heat, turbulence, CO₂ and CO

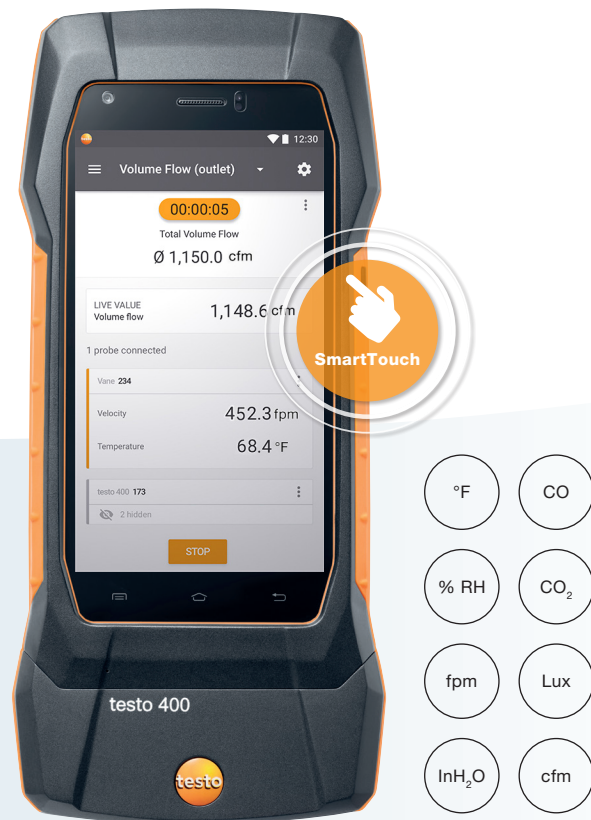
High-precision, location-independent and integrated differential pressure sensor

High-quality digital probes and an intelligent calibration concept

Document measuring values directly on the customer's site and send them by e-mail, or further analyze them using the testo DataControl PC software

Smart and intuitive measurement programs:

- HVAC grid measurement in accordance with ASHRAE 111
 - PMV/PPD in accordance with ASHRAE 55
 - Draft and degree of turbulence in accordance ASHRAE 55
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Compatible with a comprehensive selection of Bluetooth® and cable probes.



testo 400 is the universal measuring instrument for all TAB / Commissioning and IAQ professionals, enabling them to measure, document and analyze all IAQ parameters with just one instrument. Your benefits:

- Smart support through stored measurement menus and evaluation of measuring values according to the traffic light principle – for error-free measurements
- Manage all the relevant customer data, including measuring points, directly in the instrument - work directly and efficiently on site
- Complete and send measuring values with full documentation, including photos, comments and your own logo directly on site – get to the next job faster

- Probe heads can be changed without restarting the instrument – easy handling with no lost time
- Calibration of probes which is independent of the measuring instrument and adjustment function at up to six measuring points for zero-error display – fewer downtimes and high-precision measurements

As consultants, experts, technical service providers, or service technicians in the air conditioning and ventilation sector, the testo 400 therefore supports you in the truly smart performance of your measuring tasks. Relevant quality parameters in industrial production and manufacturing processes can also be reliably and accurately checked using the testo 400.

Technical data

Differential pressure (integrated)	
Measuring range	-40 to +80 InH ₂ O
Accuracy (±1 digit)	±(0.12 InH ₂ O ± 1% of m.v.) (0 to 10 InH ₂ O) ±(0.04 InH ₂ O + 1.5% of m.v.) (10.01 InH ₂ O to 80 InH ₂ O)
Resolution	0.00001 InH ₂ O
Absolute pressure (integrated)	
Measuring range	-10 to +16 psi
Accuracy (±1 digit)	± 0.044 psi
Resolution	0.001 psi
Temperature NTC (with appropriate probe)	
Measuring range	-40 to 302 °F
Accuracy (±1 digit)	±0.36 °F (-13 to 166.8 °F) ±0.72 °F (-40 to -13.1 °F) ±0.72 °F (166.9 to 212 °F) ±0.5% of m.v. (remaining meas. range)
Resolution	0.1 °F
Temperature TC type K (with appropriate probe)	
Measuring range	-328 to 2,498 °F
Accuracy (±1 digit)	±(0.54 °F + 0.1% of m.v.)
Resolution	0.1 °F

General technical data	
Probe connections	4x Bluetooth®, 2x TUC*, 2x TC type K
Interfaces	Bluetooth®, WiFi, USB
Operating temperature	+23 to 113 °F
Storage temperature	-4 to 140 °F
Power supply	Rechargeable li-ion battery (5550 mAh)
Battery life	approx. 12 hrs continuous operation
Display	5.0 inch HD touch display 1280 x 720 px resolution
Camera	Main camera: 8.0 MP Front camera: 5.0 MP
Memory	2 GB (corresponds to approx. 1,000,000 readings)
Protection class	IP40
Dimensions	8.3" x 3.7" x 1.5" / 210 x 95 x 39 mm
Weight	17.6 oz / 500 g

*TUC connection (Testo Universal Connector): For the connection of fixed cable digital probes and NTC probes.