



Committing to the future

# testo 480 IAQ Pro

The Ultimate in Accurate Indoor Climate Measurement

°F • FPM • RH • CO<sub>2</sub> • CFM

**NEW!**



Intelligent probes for every measuring task





# The NEW testo 480 IAQ Pro

## The Ultimate in Accurate Indoor Climate Measurement

A comfortable climate is a key factor to productivity at the office, health at home, and safe storage at an industrial location. When adjustments are required, HVAC and Test and Balance professionals work to identify issues quickly, so the indoor climate is adjusted and comfortable once again.

The testo 480 IAQ Pro is the **latest in cutting-edge measurement technology** from testo providing the **most accurate indoor climate measurements**, like temperature, humidity, and airflow.

The testo 480 can aid HVAC professionals to **optimally configure systems** in offices, residential locations, and industrial buildings, and **record all relevant climate parameters of indoor air quality** such as CO<sub>2</sub>, °F, and even light.

## Advantages of the testo 480 IAQ Pro

- **Reliable Measurements**  
The perfect combination of a highly accurate, rugged hand-held instrument and a wide variety of probes to meet the needs of HVAC and T&B professionals.
- **Save Calibration Time**  
Intelligent probes retain calibration information and increase productivity in the field.
- **Manage Data**  
Use the easyCLIMATE software to simplify data handling of large jobs and maintain stored profiles.
- **Save Time**  
Perform multiple measurements simultaneously.
- **Probe Variety**  
Choose from a wide selection of probes to match any measurement need.

*Use the new testo 480 and its intelligent probes to keep indoor climates comfortable and HVAC equipment working optimally!*

## The testo 480 can meet any indoor climate measurement need



When taking duct measurements, the testo 480 can measure the flow within the duct and complete HVAC grid measurements so the system can be adjusted optimally.



When measuring at air outlets, the 480 can check whether a system is optimally configured and balanced, allowing the HVAC professional to take any necessary corrective measures and improve the indoor air conditioning quickly and easily.



A full line of probes are available for measuring comfort level and indoor air quality for a wide variety of different circumstances. A tripod is also available for use with the 480 for workplace evaluation.

# Intelligent probes for every measuring task

**Thermal probe**  
Can bend to a 90° angle and includes telescope with easy-to-read scaling and integrated measurement button  
Part #: 0635 1543

**Comfort level probe**  
Standards-compliant measurement according to ASHRAE 55-2004  
Part #: 0628 0143

**RTD Pt100**  
High-precision immersion and penetration probe  
Part #: available in January 2012

**Light probe**  
Assesses lighting conditions in workplaces  
Part #: 0635 0543

**Humidity probe**  
High-precision 1% humidity probe  
Part #: 0636 9743

**0.62" vane probe**  
Includes telescope with easy-to-read scaling and integrated measurement button  
Part #: 0635 9542

**4" vane probe**  
Can be used with funnel set as well as in combination with extension (available separately)  
Part #: 0635 9343

**IAQ probe**  
Measures CO<sub>2</sub>, temperature, humidity and absolute pressure. Includes tripod  
Part #: 0632 1543

**Globe probe**  
Measures radiated heat with thermocouple probe type K, class 1  
Part #: 0602 0743



## easyCLIMATE Software simplifies measuring tasks and processes data into clear and concise reports

easyCLIMATE Software simplifies the measuring tasks and processes the data into **clear and concise reports for faster and more thorough diagnosis and evaluation** of HVAC systems and IAQ parameters.

- Simple menu guided operation
- Measuring tasks based on today's compliance standards
- Prints data on-site or transfers data via USB or SD card to PC
- Seamless interface with PC
- Customize reports for measuring locations

## ORDERING INFORMATION

IAQ Measurement Kit	Part #
testo 480 including easyCLIMATE PC software, power supply and USB cable	0563 4800
Tripod for comfort level measurement	0554 0743
Comfort level probe (requires part no. 0430 0100)	0628 0143
Globe probe, 6"	0602 0743
Humidity and temperature probe, 0.4" diam. (requires part no. 0430 0100)	0636 9743
IAQ probe including desktop stand (requires part no. 0430 0100)	0632 1543
Light probe	0635 0543
System case for comfort level measurements	0516 4801
HVAC System Performance Kit	Part #
testo 480 including easyCLIMATE PC software, power supply and USB cable	0563 4800
Vane probe, 0.62" diam. with telescope (requires part no. 0430 0100)	0635 9542
Thermal flow probe with telescope (requires part no. 0430 0100)	0635 1543
Vane probe, 4" diam. (requires part no. 0430 0100)	0635 9343
Humidity and temperature probe, 0.47" diam. (requires part no. 0430 0100)	0636 9743
IAQ probe including tripod (requires part no. 0430 0100)	0632 1543
Prandtl pitot tube "L" type pitot tube 13" SS	0635 2145
System case for HVAC measurements	0516 4800
Other Accessories	Part #
Funnel set (13" x 13"), including carry bag for round vents 8" diam.	0563 4170
Connection hose for differential pressure measurement	0554 0440
Testo IR printer, 1 roll of thermal paper and 4 AA batteries	0554 0549
Plug-in head cable	0430 0100
TC probe Type K	see testo.com
Testovent 410 Flow Funnel: for low flow (<50 CFM) including carrying bag	0554 0410
Testo saline pots: Humidity adjustment 11.3% RH and 75.3% RH, including adapter for humidity probe	0554 0660
Spare thermal paper for printer (6 rolls)	0554 0568

## ORDERING INFORMATION: PROBES

Probe	Measurement Range	Accuracy ( $\pm 1$ digit)	Part #
<b>Flow Probes</b>			
Vane measurement probe, $\varnothing 0.6"$	78 to 9,800 fpm 14 to 158 °F	$\pm(39 \text{ fpm} + 1\% \text{ of reading})$ 78 - 8,000 fpm $\pm(39 \text{ fpm} + 2\% \text{ of reading})$ 8,000 - 10,000 fpm $\pm 3^\circ\text{F}$	0635 9542
Thermal flow probe	0 to 4000 fpm -4 to 158 °F 0 to 100 %RH	$\pm(6 \text{ fpm} + 4\% \text{ of reading})$ $\pm 0.9^\circ\text{F}$ 2.5%	0635 1543
Vane measurement probe, $\varnothing 4"$	20 to 3,000 fpm 32 to 140 °F	$\pm(20 \text{ fpm} + 1.5\% \text{ of reading})$ $\pm 0.9^\circ\text{F}$	0635 9343
<b>Comfort Level Probes</b>			
Humidity and temperature probe, $\varnothing 0.4"$	0 to 100 %RH -4 to 158 °F	$\pm(1.0\%)$ 0 to 90 %RH $\pm(1.4\%)$ 90 to 100 %RH $\pm 0.9^\circ\text{F}$	0636 9743
IAQ probe	-4 to 158 °F 0 to +100 RH 0 to 10,000 ppm CO <sub>2</sub>	$\pm 0.9^\circ\text{F}$ 2.5 % $\pm(50 \text{ ppm CO}_2 + 2\% \text{ of reading})$ 0 to +5,000 ppm CO <sub>2</sub> $\pm(100 \text{ ppm CO}_2 + 3\% \text{ of reading})$ 5.001 to +10,000 ppm CO <sub>2</sub> $\pm 1.2 \text{ "H}_2\text{O}$	0632 1543
Degree of turbulence probe	281 to 442 "H <sub>2</sub> O 32 to 122 °F 0 - 1,000 fpm	26s $\pm 0.9^\circ\text{F}$ $\pm(59 \text{ fpm} + 4 \text{ of reading})$	0623 0143
Globe probe, $\varnothing 6"$	32 to 248 °F	Type K thermocouple, class 1	0602 0743
Lux probe	0 to 1000,000 Lux	Class C according to DIN 5032-7 f1 = 6% V-Lambda f2 = 5% cos	0635 0543
<b>Additional Probes</b>			
High-precision Pt100 immersion/penetration probe		available in January 2012	
TC probe Type K and Pitot tubes		see www.testo.com	

## TECHNICAL DATA

Sensor connections	2 x TC Type K, 1 x differential pressure, 3 x digital
Other connections	USB, SD-card, power supply
Operating temp.	32° to 105 °F
Power supply	Battery or connected power supply for longterm measuring and battery charging
Battery life	Up to 8 hours
Display	Color graphics/ display
Memory	Up to 10,000 rdgs.
Differential pressure measuring range	$\pm 10 \text{ "H}_2\text{O}$
Differential pressure resolution	0.001 "H <sub>2</sub> O



Committing to the future

(800) 227-0729  
testo.com