

testo 400 IAQ and comfort kit with data logger and tripod

Kit for standard-compliant measurement of indoor air quality and comfort level

Determination of the PMV and PPD comfort level parameters in accordance with EN ISO 7730 and ASHRAE 55

Determination of the draught and degree of turbulence comfort level parameters in accordance with EN ISO 7730 and ASHRAE 55

Indoor air quality: Determination of CO₂ concentration, humidity, air temperature and degree of turbulence in workplaces, including long-term measurement

IAQ data logger for long-term measurements

Globe thermometer for measuring radiant heat, measuring tripod for comfort level measurement to ensure standard-compliant positioning of probes



Compatible with a comprehensive selection of Bluetooth® and cable probes.

The testo 400 comfort IAQ and comfort kit with data logger and tripod is the ideal equipment for all air velocity & IAQ professionals focusing on indoor air quality and comfort level. It provides you with smart support through stored measurement menus and an evaluation of measuring values according to the traffic light principle – for error-free measurements. You can manage all the relevant customer data, including measuring points, directly in the instrument and thus work directly and efficiently on site. The probe heads can be changed very quickly and easily without restarting the instrument. Both calibration of probes which is independent of the measuring instrument and the adjustment function at up to six measuring points for zero-error display ensure fewer downtimes and high-precision measurements.

Your advantages in application:

- Determination of the PMV/PPD, draught rate and degree of turbulence comfort level parameters with the measuring tripod to ensure standard-compliant positioning of up to 3 probes at the same time
- Long-term measurements up to 2 weeks can be recorded using the IAQ data logger even without the testo 400
- Can be extended at any time with a large portfolio of digital probes

Scope of delivery

- Universal testo 400 air velocity & IAQ measuring instrument, silicone hoses, mains unit with USB cable (order no. 0560 0400)
- CO₂ probe including temperature and humidity sensor, comprising CO₂ probe head and cable handle), including table stand (order no. 0632 1552)
- Turbulence probe with fixed cable (order no. 0628 0152)
- IAQ data logger for long-term measurements, including mains unit with USB cable (order no. 0577 0400)
- Globe thermometer Ø 150 mm with fixed cable, TC type K, for measuring radiant heat (order no. 0602 0743)
- Measuring tripod for comfort level measurements, comprising a folding stand, mounting rod, handheld instrument holder, 4 x probe mounts, including large bag (order no. 0554 1591)
- testo 400 transport case for comfort level measurement (order no. 0516 2400)



Order no. 0563 0402

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Technical data	Measuring range	Accuracy	Solution
Probes			
CO₂ probe (digital) , including temperature and humidity sensor 	0 to 10,000 ppm CO ₂ 5 to 95 %RH 0 to +50 °C 700 to 1100 hPa	±(50 ppm + 3% of m.v.) (0 to 5000 ppm) ±(100 ppm + 5 % of m.v.) (5,001 to 10,000 ppm) ±3 %RH (10 to 35 %RH)* ±2 %RH (35 to 65 %RH)* ±3 %RH (65 to 90 %RH)* ±5 %RH (remaining meas. range) ±0.06 %RH/K (0 to +50 °C) Long-term stability: ± 1, hysteresis: ±1.0 %RH ±0.5 °C ±3 hPa	1 ppm 0.1 %RH 0.1 °C 0.1 hPa
Turbulence probe , fixed cable 	0 to +5 m/s 0 to +50 °C 700 to 1100 hPa	±(0.03 m/s + 4 % of m.v.) (0 to 5 m/s) ±0.5 °C ±3 hPa	0.01 m/s 0.1 °C 0.1 hPa
Globe thermometer Ø 150 mm , TC type K, for measuring radiant heat 	0 to +120 °C	Class 1 ¹⁾	
IAQ data logger 	-40 to +150 °C	±0.2 °C ±1 digit (-25.0 to +74.9 °C) ±0.4 °C ±1 digit (-40.0 to -25.1 °C) ±0.4 °C ±1 digit (+75.0 to +99.9 °C) ±0.5 % of m.v. ±1 digit (remaining measuring range)	0.1 °C

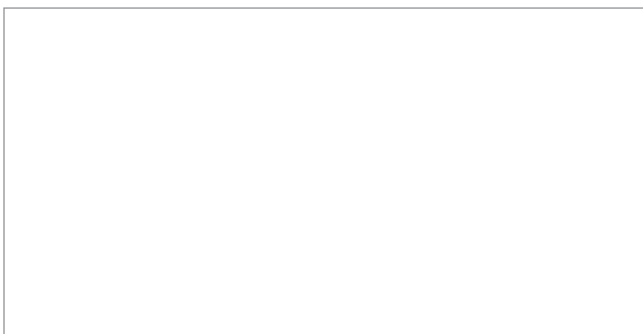
¹⁾ According to standard EN 60584-1, the accuracy of Class 1 refers to -40 to +1000°C (Type K), of Class 2 to -40 to +1200°C (Type K) and of Class 3 to -200 to +40°C (Type K). A probe only ever complies with one accuracy class.

testo 400

testo 400 universal IAQ instrument Connectable probes: 2x TC Type K, 2x NTC (TUC) / digital probe with cable, 4x Bluetooth® probe 	Differential pressure		
	-100 to +200 hPa	±0.3 Pa + 1 % of m.v. (0 to +25 hPa) ±0.1 hPa + 1.5% of m.v. (+25.001 to +200 hPa)	0.001 hPa
	Absolute pressure		
	700 to 1100 hPa	±3 hPa	0.1 hPa

General technical data	testo 400	CO ₂ probe	Turbulence probe	Globe thermometer	IAQ data logger
Data transmission	Bluetooth®; USB, WLAN				USB
Operating temperature	-5 to +45 °C	0 to +50 °C	0 to +50 °C		-5 to +45 °C
Storage temperature	-20 to +60 °C	0 to +50 °C	-20 to +60 °C		-20 to +60 °C
Dimensions	210 x 95 x 39 mm	290 x 50 x 40 mm	400 x 90 x 90 mm	250 x 150 x 150 mm	136 x 89 x 39 mm
Probe head diameter		30 mm	820 mm		
Weight	510 g	200 g	250 g	385 g	162 g

You will find the complete selection of probes and accessories for the testo 400 in the testo 400 data sheet or at www.testo.com.



Subject to change, including technical modifications.