Be sure. **testo**

testo 160 IAQ
Wi-Fi Data Logger

For monitoring temperature, humidity, atmospheric pressure and CO_2 concentration.

testo 160 IAQ

715 ppm
41.5 %

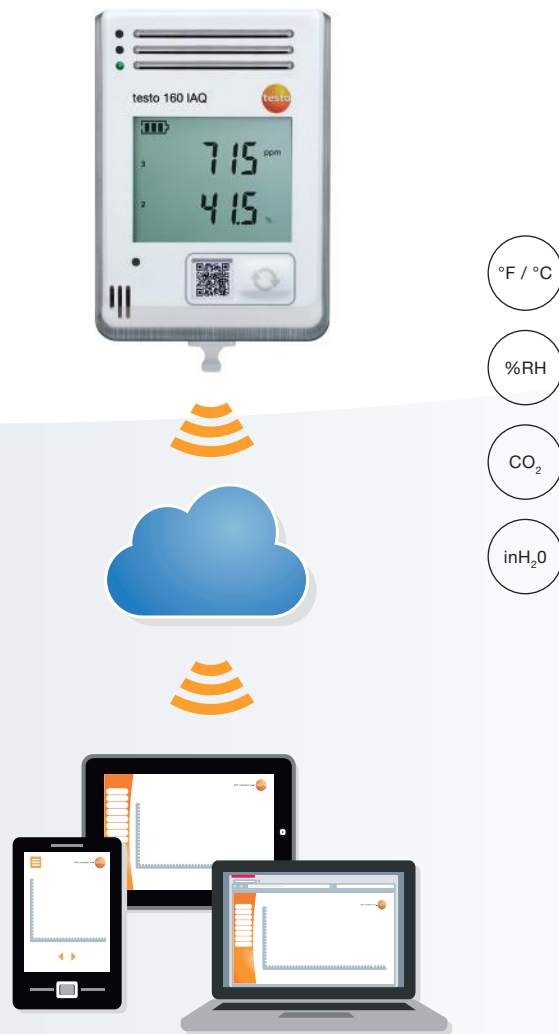°F / °C

%RH

CO_2

inH_2O

Wireless measurements communicated to the testo Cloud

Lowest installed cost - no power wiring or communication wiring needed. Leaving more capital for PPE, Filters, cleaning services

Flexibility - move the data logger from unoccupied to occupied classes and offices as needed

Safety/Compliance - up to 10 authorized users can view CO2/RH/Temp data, complying w/ ASHRAE Guidelines

Internal sensors for easy and convenient set up

The testo 160 IAQ Wi-Fi Data Logger is ideal for rapid deployment in monitoring indoor air quality. Using internal sensors for temperature, humidity, CO2, and atmospheric pressure, the testo 160 IAQ accurately determines the air quality of your desired area and communicates it within your secure network using the web-based testo Saveris 2 Cloud.

The logger comes with a large internal memory that stores 32,000 measurement values, as well as a battery back up to protect your data in the event of a blackout or Wi-Fi network issues.

With the testo Saveris 2 Cloud account, users can configure multiple data loggers and set alarm points, designate authorized users, and set recipients for alarms and reports. This data is accessible at any time from any internet enabled device, such as a smart phone, tablet, PC or Mac. Additionally, you can preset measurement limits and, if these limits are exceeded, an alarm is immediately provided by text and/or email.

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The testo Saveris 2 Cloud

Our packages

The testo Saveris 2 Cloud is the central operating system of the testo 160 data logger. Here, you can configure all of your Wi-Fi data loggers, set measurement limit alarms, and analyze measurement data. You must first register at https://americas.saveris2.net to have access to the testo Saveris 2 Cloud.

Depending on the range of functions you require, you Depending on the range of functions required, the user can choose from the free Basic version, or the more extensive Advanced version. Access to an API interface is available in order to export measurement data to your systems.

	FREE Basic	**Advanced**
Measuring cycle	15 min. to 24 h	1 min. to 24 h (selectable)
Communication cycle	15 min. to 24 h	1 min. to 24 h (selectable)
Data storage	Max. 3 months	Max. 2 years
Reports	Manual (.pdf/.csv)	Manual (.pdf/.csv) Automatic (.pdf/.csv)
Data analysis	1 measurement channel	Up to 10 measurement channels simultaneously
Number of users per account	1	10
Number of Wi-Fi data loggers per account	Unlimited	Unlimited
Alarm options	Upper/lower alarm limits	• Upper/lower alarm limits • Alarm delay • Time control of alarms
System notifications	• Low battery notification • Radio link interrupted • Power supply interrupted	• Low battery notification • Radio link interrupted • Power supply interrupted
Email alarm	Yes	Yes
Text message alarm	No	• Incl. 25 text msgs per logger per year • More SMS packages purchaseable

	12-month license order no. 0526 0735	24-month license order no. 0526 0732	36-month license order no. 0526 0733

Register now: **https://americas.saveris.net/**

Ordering data Wi-Fi data loggers

testo 160 IAQ

testo 160 IAQ Wi-Fi Data Logger
with display and integrated sensors
for temperature, humidity, CO_2 and
atmospheric pressure

Order no. 0572 2014

Accessories

	Order no.
Deco-cover for testo 160 IAQ	0554 2012
Wall bracket for testo 160 IAQ	0554 2015
Alkaline AA batteries up to -14 °F (-10 °C) (pack of 4)	0515 0414
Magnetic adapter for testo Saveris 2 wall bracket	0554 2001
External USB power supply	0572 2020
ISO calibration certificate temperature -17.6 °F, 32 °F, 104 °F (-8 °C, 0 °C, +40 °C)	0520 0171
ISO calibration certificate humidity at 77 °F (+25 °C), humidity points 11.3 %RH and 75.3 %RH	0520 0076
ISO calibration certificate CO_2, calibration points 0; 1000; 5000 ppm	0520 0033

Temperature measurement	
Measuring range	32 to 122 °F (0 to +50 °C)
Accuracy	± 0.9 °F (± 0.5 °C)
Resolution	0.1 °F (0.1 °C)

Humidity measurement	
Measuring range	0 to 100 %RH (non-condensing)
Accuracy	±2 %RH at 77 °F (+25 °C) and 20 to 80 %RH ±3 %RH at 77 °F (+25 °C) and < 20 %RH and > 80 %RH ±1 %RH hysteresis ±1 %RH / year drift
Resolution	0.1% RH

CO_2 measurement	
Measuring range	0 to 5,000 ppm
Accuracy	±(50 ppm + 3 % of m.v.) at 77 °F (+25 °C) Without external power supply: ±(100 ppm + 3 % of m.v.) at 77 °F (+25 °C)
Resolution	1 ppm

Pressure measurement	
Measuring range	600 to 1100 mbar
Accuracy	±3 mbar at 71.6 °F (+22 °C)
Resolution	.40 inH20 (1 mbar)

Wi-Fi	
Standard	802.11 b/g/n
Security	WPA2 Enterprise: EAP-TLS, EAP-TTLS-TLS, EAP-TTLS-MSCHAPv2, EAP-TTLS-PSK, EAP-PEAP0-TLS, EAP-PEAP0-MSCHAPv2, EAP-PEAP0-PSK, EAP-PEAP1-TLS, EAP-PEAP1-MSCHAPv2, EAP-PEAP1-PSK, WPA Personal, WPA2 (AES), WPA (TKIP), WEP

General	
Operating temperature	32 to 122 °F (0 to +50 °C)
Storage temperature	32 to 122 °F (0 to +50 °C)
Protection class	IP20
Measuring cycle	Dependent on Cloud licence Basic: 15 min to 24 h Advanced: 1 min to 24 h
Communication cycle	Dependent on Cloud licence Basic: 15 min to 24 h Advanced: 1 min to 24 h
Memory	32,000 readings (sum of all channels)
Voltage supply (alternatively, power via USB connection)	4 x AA alkaline batteries 1.5 V
Battery life (depending on the measuring and communication cycle through the Cloud)	1 year
Dimensions	4.6 x 3.23 x 1.26 in. (117 x 82 x 32 mm)
Weight (including batteries)	0.6 lbs. (269 g)

Be sure. **testo**

Data management

The testo 160

More efficient commissioning*:
• Easy recognition and selection of the Wi-Fi network
• Faster set up of several loggers

Easy network analysis*:
• Test the strength and range of your Wi-Fi network
• Create and send status reports

Reliable alarm functions:
• Push notifications when measurement values are exceeded
• Combinable with email or text message alarms

The testo Saveris 2 Cloud

Free access to the testo Saveris 2 Cloud is included in delivery. In the Cloud you can view and manage the measurement values stored online, and use the alarm function via e-mail. The system can also be set up, configured, and monitored all within any web browser.

The advantages of the testo Saveris 2 Cloud at a glance:
• Central operating element for the monitoring, documentation and administration of all measurement locations
• Secure protection of your measurement data from unauthorized access by third parties
• Automatic storage of your measurement values, all measurement data are constantly available
• Alarm function for critical values
• Two licence packages (Basic, Advanced) with differing extent of functions

Maximum flexibility with the Advanced licence:
• The measuring and communication cycle is fully adjustable
• Reports automatically sent by e-mail fulfil the documentation obligation
• Several user profiles – important, for example in cases of several sites
• Alarm also by SMS

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