Be sure. testo

Flue gas analyzer

testo 310 II - Flue gas analysis the easy way

- Simultaneous, individual measurement and display of all relevant measurement parameters (O_2, CO, CO_2, flue gas and ambient temperature, CO environment, draughtt and pressure). Display configurable via the testo Smart App.
- Simultaneous, additional measurements via the testo Smart App (e.g. gas flow pressure, flow and return temperature)
- Easy and intuitive menu guidance
- Data documented and sent digitally via testo Smart App
- Digital customer data management via testo Smart App
- Rechargeable lithium battery for over 8 hours of operation
- Robust construction
- Sensor zeroing in 30 seconds

Bluetooth 5.0 + App

testo Smart App for free download

JETZT BEI Google Play

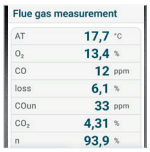
Laden im App Store

The new testo 310 II flue gas analyzer combines simple functions with a high level of measurement accuracy, and is thus perfect for all basic measurements on heating systems. Long battery lifetimes of more than eight hours guarantee you high availability. Simultaneous, individual measurement and display of the measurement parameters in the instrument's high-resolution display are easily possible. The display can be easily configured via the testo Smart App and is individually settable for the user. Its easy handling and compact design make the testo 310 II a robust tool for daily work – even when things get rough.

The printer with Bluetooth® interface, specially developed for the testo 310 II, allows you to create clear reports on site as required. The current measurement value can be printed out of any measurement menu during or after the measurement. Via the simple connection to the testo Smart App, further measurements as well as digital documentation, data transfer and digital customer data management can be performed simultaneously. The testo 310 II offers all advantages of electronic flue gas measurement in high quality at a perfect cost-benefit ratio.

Product features

testo Smart App
Additional, simultaneous measurements, digital documentation, data transfer and digital customer data management via the testo Smart App.



Configurable display
Seven-line display with clear menu structure. Easy to operate and clearly legible. Display configurable via the testo Smart App.

Robust
Robust and light instrument for daily use – excellently suitable even for rough and dirty surroundings.

Automatic zeroing of sensor
Automatic zeroing of the gas sensor in only 30 seconds after starting, which can be cancelled if not required.

Rechargeable lithium battery
Operation with rechargeable lithium battery (1500 mAh) – no need to change battery, over eight hours running time, charging via USB possible.

Condensate trap
Integrated condensate trap – very quick and easy to empty.

Attachment
Integrated magnets for easy attachment to burner.

Probe filter
Quickly and easily exchangeable.

Printer
Documentation via the Bluetooth® interface.

Order data

testo 310 II flue gas analyzer

testo 310 II incl. rech. battery and calibration protocol for the measurement of O_2, CO, hPa and °C; probe 180 mm with cone; case; mains unit incl. cable; silicon hose for pressure measurement, 5 x particle filters; USB-C cable

Order no. 0563 3104

testo 310 II flue gas analyzer with printer

testo 310 II incl. rech. battery and calibration protocol for the measurement of O_2, CO, hPa and °C; Bluetooth®/IRDA Printer (0554 0621); probe 180 mm with cone; case; mains unit incl. cable; silicon hose for pressure measurement; 5 x particle filters; 2 x rolls thermal paper for printer; USB-C cable

Order no. 0563 3105

testo BT printer

testo BLUETOOTH®/IRDA printer with wireless infrared interface, 1 roll of thermal paper and 4 AA batteries

Order no. 0554 0621

Accessories

Product kits	Order no.	
testo 310 II flue gas analyzer	0563 3104	
testo 310 II flue gas analyzer with printer	0563 3105	
Measuring instrument accessories		
USB mains unit, including cable	0554 1105	
testo BLUETOOTH®/IRDA printer	0554 0621	
Spare thermal paper for printer, permanent ink	0554 0568	
Spare dirt filter	0554 0040	
Spare gas sensors		
Spare O_2 sensor	0390 0085	
Spare CO sensor	0390 0119	

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Technical data

	Measuring range	Accuracy ±1 digit	Resolution	Adjustment time t_{90}
Temperature (flue gas)	0 to +400 °C	±1 °C (0 to +100 °C) ±1.5% of m.v. (>100 °C)	0.1 °C	< 50 sec
Temperature (ambient temperature)	-20 to +100.0 °C	±1 °C	0.1 °C	< 50 sec
Draught measurement	-20 to +20 hPa	±0.03 hPa (-3.00 to +3.00 hPa) ±1.5% of m.v. (remaining measuring range)	0.01 hPa	
Pressure measurement	-40 to 40 hPa	±0.5 hPa	0.1 hPa	
O_2 measurement	0 to 21 vol.%	±0.2 vol.%	0.1 vol.%	30 sec
CO measurement (without H_2-compensation)	0 to 4000 ppm	±20 ppm (0 to 400 ppm) ±5% of m.v. (401 to 2000 ppm) ±10% of m.v. (2001 to 4000 ppm)	1 ppm	60 sec
Ambient CO measurement	0 to 4000 ppm	±20 ppm (0 to 400 ppm) ±5% of m.v. (401 to 2000 ppm) ±10% of m.v. (2001 to 4000 ppm)	1 ppm	60 sec
Efficiency testing (Eta)	0 to 120 %	-	0.1%	-
Flue gas loss	0 to 99.9%	-	0.1%	-

General technical data

Storage temperature	-20 to +50 °C
Operating temperature	-5 to +45 °C
Power supply	Rechargeable battery: 1500 mAh, mains unit 5V/2A
Memory	No memory

Display	Graphic 7-line display
Weight with probe	Approx. 690 g
Dimensions	203 x 83 x 46 mm

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