

Testo 310 II

Flue gas analyzer

- Simultaneous, individual measurement and display of all relevant measurement parameters (O₂, CO, CO₂, flue gas and ambient temperature, CO environment, draught 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



Overview

The new testo 310 II flue gas analyzer combines simple functions with a high level of measurement accuracy, so it is 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 can be individually set 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.

Applications

- Analysis of the gas atmosphere
- Industrial engines
- Industrial burners

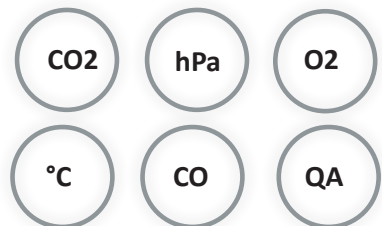


Bluetooth 5.0

+ App



testo Smart App
for free download



Scan
For More
Information

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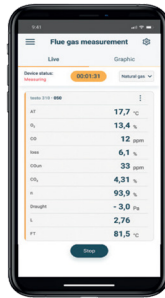
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Product features



testo Smart App

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

Flue gas measurement	
AT	17,7 °C
O ₂	13,4 %
CO	12 ppm
loss	6,1 %
CO _{un}	33 ppm
CO ₂	4,31 %
n	93,9 %

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.



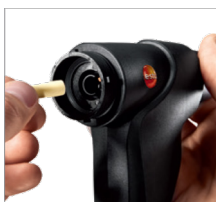
Condensate trap

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.



Ordering data

testo 310 II flue gas analyzer

testo 310 II includes rechargeable battery and calibration protocol for the measurement of O₂, 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 includes rechargeable battery and calibration protocol for the measurement of O₂, CO, hPa and °C; Bluetooth®/IRDA Printer (0554 0621); probe 180 mm with cone; case; mains unit includes cable; silicon hose for pressure measurement; 5 x particle filters; 2 x rolls thermal paper for printer; USB-C cable05



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 O2 sensor	0390 0085
Spare CO sensor	0390 0119



Technical data

	Measuring range	Accuracy ±1 digit	Resolution	Adjustment time t90
Temperature (flue gas)	0 to +400 °C	±1 °C (0 to +100 °C) ±1.5% of m.v. (>100 °C)	0.1 °C	< 50 s
Temperature (ambient temp)	-20 to +100.0 °C	±1 °C	0.1 °C	< 50 s
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	-
O2 measurement	0 to 21 Vol. %	±0.2 Vol. %	0.1 Vol. %	30 s
CO measurement (without H2 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 s
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 s
Efficiency (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/1A
Memory	No memory
Display	Graphic 7-line display



Subject to change, including technical modifications.