

Combustion analyzer

testo 300
truly smart combustion measurement.

Large scratch-resistant 5" HD display with smart-touch operation and replaceable protective film

Stored, intuitive menus for all relevant measurements

4 strong magnets with rubber coating for material friendly mounting

Ready to measure at the touch of a button in standby mode

Optional: extremely durable O₂ sensor and automatic dilution up to 30,000 ppm CO

E-mailing of reports directly on site



Truly smart combustion analysis: that is what the testo 300 stands for. The compact combustion analyzer is fully operated via the large touch display - you can see all the measuring values without scrolling. The scratch-resistant screen is embedded in a robust housing which remains reliable even in tough day-to-day working conditions. Menus for the most important measurements are already stored in the testo 300 and reliably guide you through the relevant application.

The combustion analyzer is not familiar with waiting times or start-up phases, it is immediately ready to go at the touch of a button in standby mode. Documentation is dealt with just as quickly – with the testo 300, reports can be created and sent directly on site, with WiFi connection. The testo 300 is available with a 2-year or 4-year warranty. There is also an optional NO_x sensor available (with 2 year sensor warranty).

The O₂ sensor, is extremely durable and in Longlife models, an optional automatic dilution up to a maximum of 30,000 ppm CO protects the CO sensor.

Truly smart: The new testo 300 combustion analyzer.

Providing reliably accurate results is not enough. A contemporary combustion analyzer also makes all work steps as easy as possible for you, both before and after the measurement, as well as in terms of the measurement itself. The user-friendly testo 300 was developed with precisely

this objective in mind. It is not just decades of experience in measuring technology. With smart-touch operation, robust construction and e-mailing of reports, the testo 300 will quickly become your indispensable companion for all measuring tasks involving heating.

Operation via smart-touch

The smart-touch display responds immediately without any delay. That allows intuitive operation – just as easy as on your smartphone.

E-mailing of reports

The testo 300 enables the convenient creation of documentation directly on site. And the dictation function even saves you typing in the process. You can send reports to the office or customers immediately via WiFi.

Keep an eye on all the measuring values

You can see all the system's parameters right away on the large 5" HD display.

Get the result faster

Clearly structured menus for all relevant measurements are already stored in the measuring instrument and guide you efficiently through the application.

Ready to use right away

No more waiting time. In standby mode, the testo 300 is ready to measure at the touch of a button.

Completely worry-free

The testo 300 has quality sensor technology, measures high CO values up to 30,000 ppm and comes standard with the longest warranty in the industry.



Technical data

Measurement parameter	Measuring range	Accuracy (± 1 digit)	Resolution
O₂ measurement	0 to 21 vol. %	± 0.2 vol. %	0.1 vol. %
CO measurement (without H₂ compensation)	0 to 4,000 ppm	± 20 ppm (0 to 400 ppm) $\pm 5\%$ of m.v. (401 to 2,000 ppm) $\pm 10\%$ of m.v. (2,001 to 4,000 ppm)	1 ppm
CO measurement (with H₂ compensation)	0 to 8,000 ppm	± 10 ppm or $\pm 10\%$ of m.v. (0 to 200 ppm) ± 20 ppm or $\pm 5\%$ of m.v. (201 to 2,000 ppm) $\pm 10\%$ of m.v. (2,001 to 8,000 ppm)	1 ppm
CO measurement **SPECIAL ORDER** (without H₂ compensation and dilution)	0 to 15,000 ppm	± 200 ppm or $\pm 20\%$ of m.v.	1 ppm
CO measurement (with H₂ compensation and dilution)	0 to 30,000 ppm	± 100 ppm or $\pm 10\%$ of m.v.	1 ppm
NO measurement	0 to 3,000 ppm	± 5 ppm (0 to 100 ppm) $\pm 5\%$ of m.v. (101 to 2,000 ppm) $\pm 10\%$ of m.v. (2,001 to 3,000 ppm)	1 ppm
Efficiency testing (Eta)	0 to 120%		0.1%
Flue gas loss	0 to 99.9%		0.1%
CO₂ determination (digital calculation from O₂)	Display range 0 to CO ₂ max.	± 0.2 vol. %	0.1 vol. %
Draft measurement	-10 to 40 inH ₂ O	± 0.002 inH ₂ O (0 to ± 0.04 inH ₂ O) ± 0.02 hPa (± 0.04 to ± 1.2 inH ₂ O) $\pm 1.5\%$ of m.v. (remaining meas. range)	0.0001 inH ₂ O
Pressure measurement	-40 to 80 inH ₂ O	± 0.2 inH ₂ O (0 to ± 20 inH ₂ O) $\pm 1\%$ of m.v. (± 20.1 to ± 40 inH ₂ O) $\pm 1.5\%$ of m.v. (remaining meas. range)	0.01 inH ₂ O
Temperature (instrument)	-40 to 2,192 °F	± 1 °F (32 to 212 °F) ± 0.5 % of m.v. (remaining meas. range)	0.1 °F (-40 to 1,831.82 °F) 1 °F (remaining meas. range)
Ambient CO measurement (internal/flue gas probe)	0 to 2,000 ppm	± 10 ppm (0 to 100 ppm) ± 10 % of m.v. (101 to 2,000 ppm)	1 ppm
Ambient CO measurement (external with CO probe)	0 to 500 ppm	± 3 ppm (0 to 29 ppm) ± 10 % of m.v. (30 to 500 ppm)	1 ppm

General technical data

Storage temperature	-4 to 122 °F
Operating temperature	-23 to 113 °F
Charging temperature	32 to 113 °F
Humidity application range	15 to 90 %RH, not condensing
Power supply	Rechargeable battery, USB power supply
Rechargeable battery life	10 hrs
Protection class	IP 40
Memory	1 million measuring values
Display	5.0" touch display, HD 1280*720 pixels, IPS (160 k)
Weight	Approx. 1.76 lbs (0.8 kg)
Dimensions	L: 9.6 inch (244 mm) (including probe connection) H: 2.32 inch (59 mm) W: 3.86 inch (98 mm)
testo 300 warranty	Instrument/probe/gas sensors O ₂ , CO sensor 24 months Thermocouple and rechargeable battery 12 months
testo 300 Longlife warranty	Instrument/probe/gas sensors O ₂ , CO sensor 48 months NO sensor 24 months Thermocouple and rechargeable battery 12 months
Warranty terms	https://www.testo.com/guarantee