

New

Advanced flue gas analyzer

testo 330 – Advanced flue gas analyzer. Clear data. Streamlined workflows. Access your data anywhere. The testo 330 simplifies complex measurements and keeps you ahead in demanding environments.



°F

NO

inHg

ΔP

O₂

ΔT

CO/H₂

CO

– Clear view at a glance

Large 5.5" touchscreen with real-time data

– Streamlined workflows

App-like interface with step-by-step guidance for faster setup and reliable measurements

– testo Smart App integration

Remote control, second screen and fast reporting directly on site

– Centralized data management

Connecting measurements, jobs and devices in one system via testo Smart Connect

– High CO capability

CO range up to 40,000 ppm with integrated dilution protection and sensors developed by Testo

– Automatic zeroing

Accurate results – even in complex conditions

The testo 330 supports HVAC/R professionals with maximum impact in increasingly complex working environments. With rising demands, diverse system types and growing time pressure, efficient and reliable measurement solutions are more important than ever. By combining intuitive operation with connected systems, the testo 330 helps simplify daily tasks and deliver consistent results.

With the testo Smart App, measurements can be controlled, documented and reported directly on site – including remote control, second screen functionality and fast, professional reporting. With testo Smart Connect, all measurement data is centrally managed in the cloud, connecting measurements, jobs and devices in one system and providing full transparency and easy access across teams and locations.

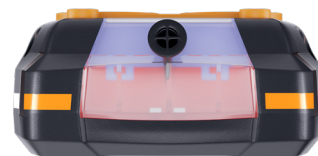
The testo 330 combines advanced measurement performance with intuitive workflows for faster setup and reliable operation. Equipped with sensors developed by Testo, it ensures low-maintenance use over time. With an extended CO range up to 40,000 ppm and integrated dilution protection, it delivers stable results at high CO levels. Automatic zeroing ensures accurate results from the start, while the 5.5" touchscreen provides a clear view at a glance and streamlined workflows guide users step by step.

This combination of performance and usability reduces effort, minimizes errors and enables faster workflows and more confident decisions. Long battery life and fast USB-C charging ensure uninterrupted operation throughout the working day, minimizing downtime and keeping workflows moving.



Technical data

Storage temperature	-4 to 122 °F
Operating temperature	23 to 113 °F
Charging temperature	0 to 95 °F
Humidity application range	15... 90 %RH (non-condensing)
Power supply	Rechargeable battery, USB mains unit
Rechargeable battery life	10 h
Quick charge	Charge time / operating time: 20 min / ~60 min (77 °F)
Protection class	IP40
System requirements	iOS ≥17.0 / Android ≥14.0; Bluetooth ≥4.2
Wireless range	Up to 328 ft with no obstructions
Wireless probe connection	4 Bluetooth® probes connectable: Smart Probes (°F, Delta P), CO + CO ₂ probes
Memory	≤1,000,000 readings
Display	5.5" IPS touchscreen, 1268 × 702 pixels
Weight	approx. 1.5 lbs
Dimensions (incl. probe connection)	approx. 9 × 4 × 2 in (L × W × H)
Warranty	48 + 12 months (with registration)



Measuring data

Measurement parameter	Measuring range	Accuracy (± 1 digit)	Resolution
O ₂	0 ... 21 vol.%	± 0.2 vol.%	0.1 vol.%
CO (without H ₂ compensation)	0 ... 5,000 ppm	± 20 ppm (0 ... 400 ppm) $\pm 5\%$ of m.v. (401 ... 2,000 ppm) $\pm 10\%$ of m.v. (2,001 ... 5,000 ppm)	1 ppm
CO (with H ₂ compensation)	0 ... 10,000 ppm	± 10 ppm or $\pm 10\%$ of m.v. (0 ... 200 ppm) ± 20 ppm or $\pm 5\%$ of m.v. (201 ... 2,000 ppm) $\pm 10\%$ of m.v. (2,001 ... 10,000 ppm)	1 ppm
CO (without H ₂ compensation, with active dilution)	0 ... 20,000 ppm	± 200 ppm or $\pm 20\%$ of m.v.	1 ppm
CO (with H ₂ compensation, with active dilution)	0 ... 40,000 ppm	± 100 ppm or $\pm 10\%$ of m.v.	1 ppm
NO (optional)	0 ... 3,000 ppm	± 5 ppm (0 ... 100 ppm) $\pm 5\%$ of m.v. (101 ... 2,000 ppm) $\pm 10\%$ of m.v. (2,001 ... 3,000 ppm)	1 ppm
Efficiency testing (η)	0 ... 120%	–	0.1%
Flue gas loss	0 ... 99.9%	–	0.1%
CO ₂ (calculated from O ₂)	Display range 0 ... CO ₂ max.	± 0.2 vol.%	0.1 vol.%
Draught/draft	-0.29 to 1.18 inHg	± 0.0001 inHg (0 to 0.0029 inHg)	0.00002 inHg (0 to 0.0029 inHg)
		± 0.00014 inHg (0.002 to 0.089 inHg)	0.0029 inHg (remaining range)
		$\pm 1.5\%$ of m.v. (0.089 to 1.181 inHg)	
4 Pa	-50 ... +50 Pa	± 0.3 Pa (<10 Pa) $\pm 3\%$ of m.v. (remaining range)	0.1 Pa
Pressure	-3 to 6 inHg	± 0.0147 (0 to 1.5 inHg) $\pm 1\%$ of m.v. (1.48 to 3 inHg) $\pm 1.5\%$ m.v. (3 to 6 inHg)	0.0002 inHg
Temperature (instrument)	-40 to 2,192 °F	± 0.9 °F (0 to 212 °F)	0.18 °F (-40 to 1831.82 °F)
		$\pm 0.5\%$ of m.v. (remaining range)	1.8 °F (remaining range)
Ambient CO (internal/flue gas probe)	0 ... 2,000 ppm	± 10 ppm (0 ... 100 ppm) $\pm 10\%$ of m.v. (101 ... 2,000 ppm)	1 ppm
Ambient CO (external with CO probe)	0 ... 500 ppm	± 3 ppm (0 ... 29 ppm) $\pm 10\%$ of m.v. (30 ... 500 ppm)	1 ppm

Device models & sensors

Device models



Testo sensors	☒	☒
O ₂ sensor	☒	☒
CO sensor	20,000 ppm	40,000 ppm
H ₂ compensation (CO sensor)	☐	☒
NO sensor	optional	☒
Zeroing in flue gas	☒	☒
Warranty (years)	4 + 1	4 + 1
Order number (kits and contents, see next page)	0633 3300 01	0633 3300 03

Testo Sensors



Order number	0393 0021	0393 0071	0393 0121	0393 0170
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Kits

Each kit includes:



Advanced
flue gas analyzer
testo 330

+



Instrument case,
height: 5 in,
0516 3300

+



Modular flue gas
probe, 7 in,
Ø 0.32 in,
0600 9760 01

+



Spare particle filter,
10 pcs
0554 3385

+



Plug-in mains
adapter
0554 1131

Optional
printer:



Mobile
Bluetooth® printer
0554 0622

Kits, based on device model of testo 330

CO	testo 330	Order number 0564 3300 20
O ₂	Kit 1 – O₂, CO	
NO		
CO/H ₂		
O ₂		

Kits with printer

testo 330	Order number 0564 3300 21
Kit 2 – O₂, CO with printer	
testo 330	Order number 0564 3300 02
Kit 6 – O₂, CO/H₂, NO with printer	

Accessories

		Order number
General accessories	testo Bluetooth® printer, including 1 roll of thermal paper, rechargeable battery and mains unit	0554 0622
	Spare thermal paper for printer, permanent ink	0554 0568
	Smoke tester, including oil and soot papers for measuring soot in flue gas, excluding cone (order no. 0554 9010)	0554 0307
	Filter paper for determining soot number, 40 measuring strips for approx. 200 measurements	0554 0308
	USB mains unit, including USB cable (USB-C)	0554 1131
	ISO flue gas calibration certificate	0520 0055
Modular flue gas probes	Modular flue gas probe, including cone for fixing; thermocouple NiCr-Ni; hose 7 ft; dirt filter; length 7 in; Ø 0.32 in; T _{max} 932 °F, TÜV-tested	0600 9760
	Modular flue gas probe, including cone for fixing; thermocouple NiCr-Ni; hose 7 ft; dirt filter; length 1 ft; Ø 0.32 in; T _{max} 932 °F, TÜV-tested	0600 9761
	Modular flue gas probe, including cone for fixing; thermocouple NiCr-Ni; hose 7 ft; dirt filter; length 7 in; Ø 0.24 in; T _{max} 932 °F	0600 9762
	Modular flue gas probe, including cone for fixing; thermocouple NiCr-Ni; hose 7 ft; dirt filter; length 1 ft; Ø 0.24 in; T _{max} 932 °F	0600 9763
	Flexible flue gas probe; thermocouple NiCr-Ni; hose 7 ft; dirt filter; length 1 ft; Ø 0.35 in; T _{max} 356 °F; short-term 392 °F; ideal for measurements in difficult-to-access locations	0600 9770
Compact flue gas probes	Compact basic flue gas probe, 7 in, Ø 0.24 in, T _{max} 932 °F	0600 9740
	Compact basic flue gas probe, 1 ft, Ø 0.24 in, T _{max} 932 °F	0600 9741

Accessories

		Order number
Smart probes	testo 510i, differential pressure measuring instrument with smartphone operation, including hose kit (Ø 0.16 in and 0.20 in) with adapter, batteries and calibration protocol (Bluetooth®)	0560 1510
	testo 115i, clamp thermometer with smartphone operation, for measurements on pipes of 0.24 in to max. 1.40 in diameter, including batteries and calibration protocol (Bluetooth®)	0560 2115 03
	testo 915i with flexible including batteries and calibration protocol (Bluetooth®)	0563 4915
Temperature probes	Combustion air temperature probe with 7.5 in probe shaft including cone and magnets for attachment (TUC)	0600 9799
	Clamp probe with NTC temperature sensor for measurements on pipes (Ø 0.24 to 1.40 in) (TUC)	0615 5505
	Pipe wrap probe (NTC) for pipe diameters from 0.20 to 2.5 in (TUC)	0615 5605
	Waterproof immersion/penetration probe with NTC temperature sensor (TUC)	0615 1212
	Temperature probe with Velcro (NTC) (TUC)	0615 4611
Probes & accessories	Dual wall clearance probe for O ₂ air input measurement (flue gas socket)	0632 1260
	Ambient CO probe (digital), fixed cable (TUC)	0632 1272
	CO probe (digital) – with Bluetooth®	0632 1271
	CO ₂ probe (digital) – with Bluetooth® including temperature and humidity sensor	0632 1551
	Solid fuel kit, including probe shaft, adapter (flue gas socket)	0600 9765
	Hose connection kit with adapter for separate gas pressure measurement (flue gas socket)	0554 1203
	Pressure connection hose, single, Ø 0.16/0.24 in	0554 0449
	Pressure test kit for gas pipe test	0554 1213

Accessories

		Order number
Probe accessories & probe filter	Modular probe shaft; length 7 in; Ø 0.32 in; T _{max} 932 °F	0554 9760
	Modular probe shaft; length 1 ft; Ø 0.32 in; T _{max} 932 °F	0554 9761
	Probe shaft; length 1 ft; including cone; Ø 0.32 in; T _{max} 1,832 °F	0554 8764
	Probe shaft; length 1 ft; including cone; Ø 0.32 in; T _{max} 1,832 °F	0554 8765
	Flexible probe shaft; length 1 ft; Ø 0.35 in; T _{max} 356 °F	0554 9770
	Hose extension; 9 ft; probe-instrument extension tube	0554 1202
	Spare dirt filter, modular probe, 10 off	0554 3385
	Spare dirt filter, compact probe, 10 off	0554 0040
	Multi-hole probe shaft; length 1 ft; Ø 0.32 in; for CO mean value calculation	0554 5762
	Multi-hole probe shaft; length 7 in; Ø 0.32 in; for CO mean value calculation	0554 5763
	Cone with spring clamp and handle option, T _{max} 392 °F, Teflon material, Ø 0.24 in	0554 3327
	Cone with spring clamp and handle option, T _{max} 392 °F, Teflon material, Ø 0.32 in	0554 3328
Cases & carrying bags	Instrument case (height: 5 in) for instrument, probes and accessories	0516 3300
	Instrument case with double base (height: 7 in) for instrument, probes and accessories	0516 3301
	Instrument bag with carrying strap	0516 3001

Control via app



testo Smart App – one app for every step

The testo Smart App guides flue gas measurements, simplifies reporting and keeps heating system diagnostics connected – from setup to documentation.

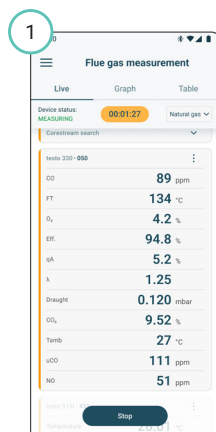
- Guided measurements for heating systems and flue gas analysis
- Automatic Bluetooth connection with smart probes and flue gas analyzers
- Easy setup and live monitoring during evacuation and measurements
- All readings and reports at a glance
- Fast creation and sharing of measurement reports

New

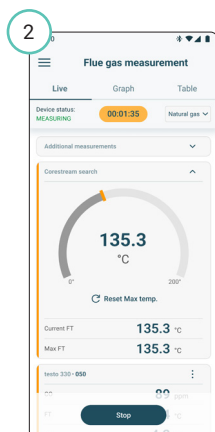
testo Smart Connect

Measurement data is automatically synced and always available – across devices, teams and locations.

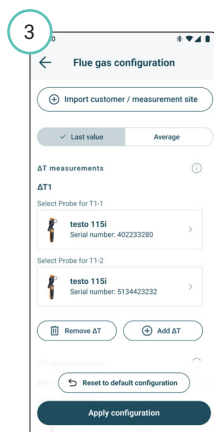
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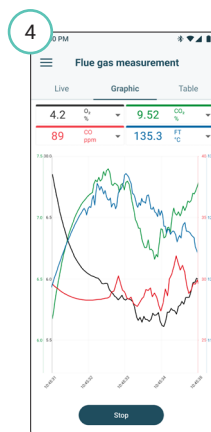
Full remote control



Corestream search



Connect Smart Probes



Analysis of the data