Be sure. testo

Flue gas analyser

testo 300 - truly smart flue gas measurement.

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

Stored, intuitive menus for all relevant measurements

Optional: extremely durable O_2 sensor and automatic dilution up to 30,000 ppm CO

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

4 strong magnets with rubber coating for material friendly mounting

E-mailing of reports directly on site, with integrated customer address book

14:21 **100%**

Flue Gas

▼ Natural gas

Sample - Cellar ▼

| List | Graphics | Corestream |

77,3 FT °C

12,17 CO₂ %

6,30 qAgr. %

1,27 λ

4,40 O₂ %

9 CO ppm

SmartTouch

testo 300

O_2

CO/H_2

°C

mbar

ΔP

NO

Truly smart flue gas measurement: this is what the testo 300 stands for.

The compact flue gas analyser is fully operated via the large touch display. You can see all the measuring values straight away without scrolling. The particularly scratch-resistant screen in embedded in a robust plastic 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 testo 300 flue gas analyser isn't hampered with slow 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 – reports can be created and sent directly on site.

Fitted with the 'longlife' cells, the testo 300 offers a 4 year warranty. There is also an optional NOx sensor available.

The O_2 sensor, fitted in all Longlife models, is extremely durable and an optional automatic dilution up to a maximum of 30,000 ppm CO protects the CO sensor.

www.testo.co.uk

Truly smart:
The new testo 300 flue gas analyser.

Providing reliable accurate results is not enough. A contemporary flue gas analyser also makes all work steps as easy as possible for you, both before and after the measurement, as well as during the measurement itself.

The user-friendly testo 300 was developed with precisely this objective in mind. 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 systems.

Operation via smart-touch
The smart-touch display responds immediately without any delay. This 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 straight away via WLAN.

Keep an eye on all the measuring values
You can see all the system's parameters straight away on the large 5″ HD display.
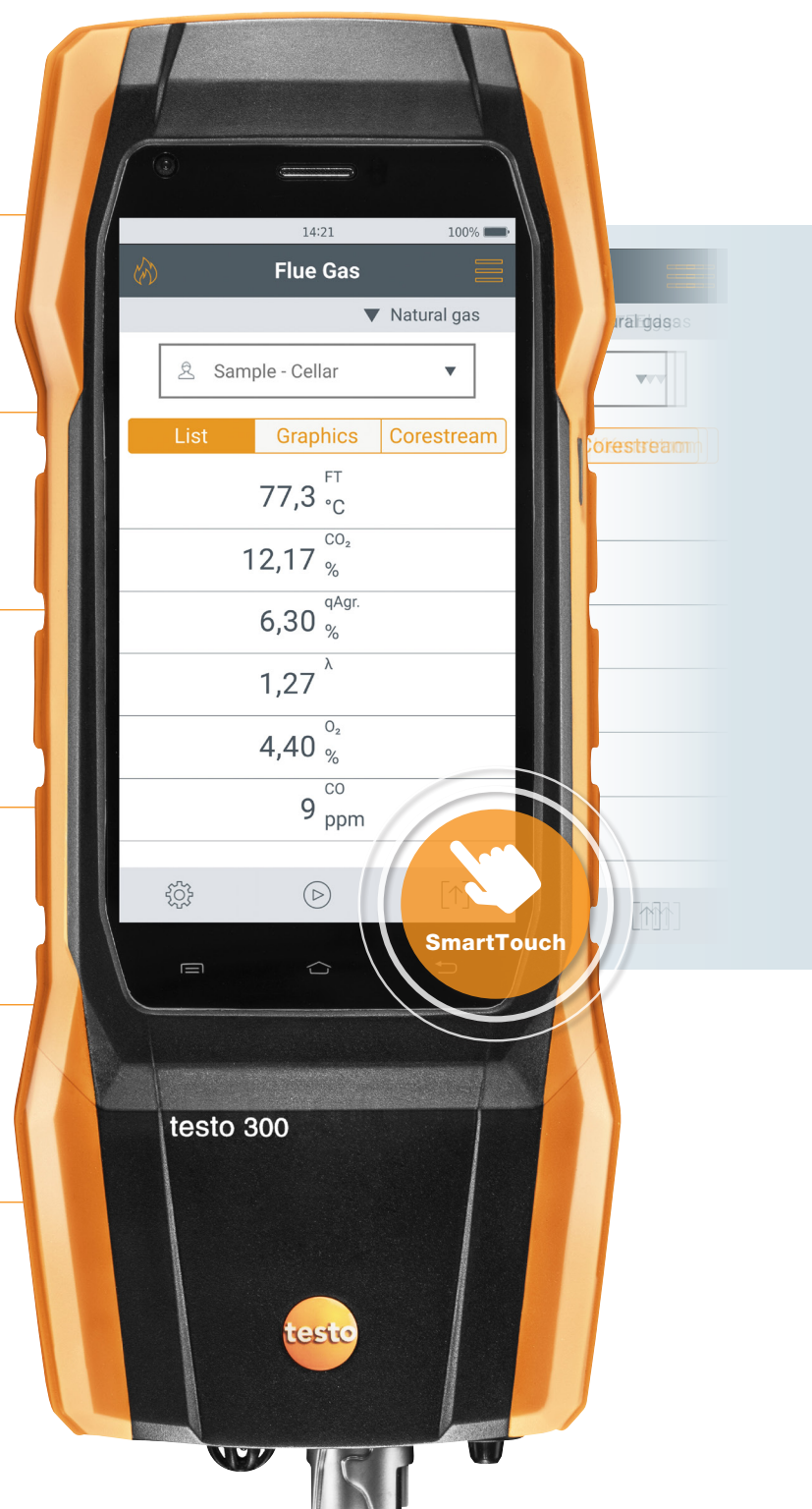
Get the result faster
Clearly structured menus for all relevant measurements are already stored in the measuring instrument and guide you efficiently through the application.

Ready to use straight 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 with up to 6 years' service life, measures high CO values up to 30,000 ppm and is future-proofed thanks to NO preparation.
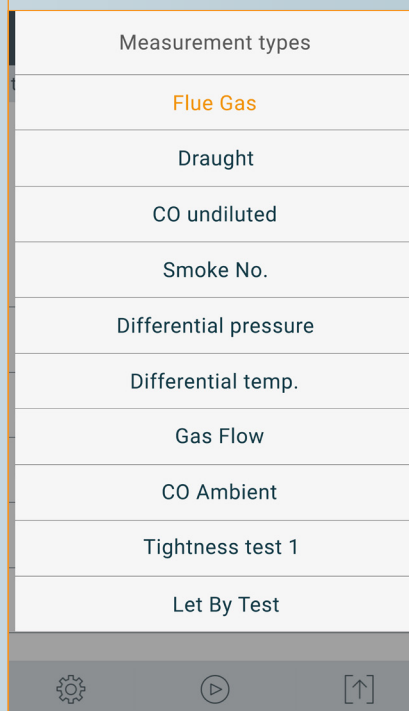
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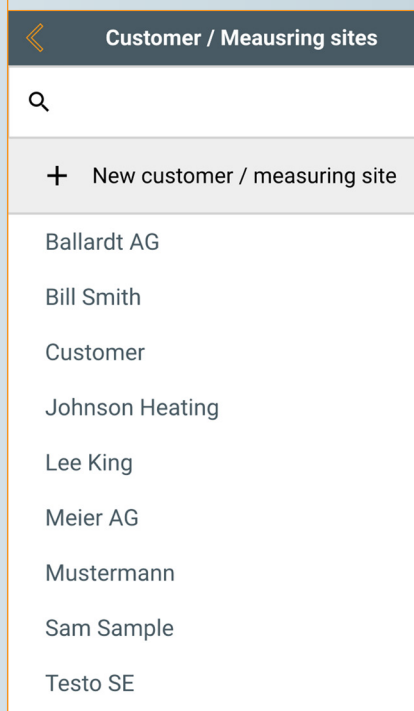
9 $\frac{CO}{ppm}$

SmartTouch

testo 300

testo

Customers/measuring points

Integrated address book with details of the relevant heating system (e.g. manufacturer, system type, system name, serial no., fuel, etc.).

Professional documentation

Create measurement protocols with all the information about readings, customers and heating systems directly on site, add comments to them, have the protocols confirmed by the customer's signature and send the protocols. You can also store your company logo. All PDF reports with all the important information are also saved in the instrument, so that they are always to hand.

Customer / Meausring sites

+ New customer / measuring site

Ballardt AG

Bill Smith

Customer

Johnson Heating

Lee King

Meier AG

Mustermann

Sam Sample

Testo SE

Measurement types

Flue Gas

Draught

CO undiluted

Smoke No.

Differential pressure

Differential temp.

Gas Flow

CO Ambient

Tightness test 1

Let By Test

Protocols

Email

Info@mustermann.de

Company logo

Mustermann GmbH
Max Mustermann
Celsiusstraße 2
79822 Titisee
info@mustermann.de

MM
Max Mustermann

Delete   Add

Format and print

Customer data

Comments and pictures

Select measurements

Flue Gas
25.04.18 17:52 Natural...

Intuitive measurement menus

Clearly structured and explicit menus for all applications involving heating systems are already stored in the testo 300. This allows you to do your jobs even more efficiently.

Instrument kits and accessories

testo 300 kits		
Order no.	**testo 300 kit** 0564 3004 82	**testo 300 kit with printer** 0564 3004 83
Instrument, including mains unit	testo 300 fitted with O_2, CO H_2, 30,000 ppm, NO sensor - can be retrofitted	testo 300 fitted with O_2, CO H_2, 30,000 ppm, NO sensor - can be retrofitted
Probe, including 10 spare filters	Modular flue gas probe (180 mm, Ø 8 mm)	Modular flue gas probe (180 mm, Ø 8 mm)
Printer, including spare paper	➖	✅
testo EasyHeat PC software	✅	✅
Instrument case	✅	✅
Warranty	4 years	4 years

testo 300 kit with printer

Accessories	Order no.	
testo Bluetooth®printer, including 1 roll of thermal paper, rechargeable battery and mains unit, for instruments including the testo 300, testo 330i and testo 440	0554 0621	
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	0554 1105	
testo EasyHeat PC software for displaying measurement procedures as diagrams, tables and for customer data management.	0554 3332	
ISO calibration certificate for flue gas	0520 0003	

Cases and carrying bags	Order no.	
Instrument case (height: 130 mm) for instrument, probes and accessories	0516 3300	
Instrument case with double base (height: 180 mm) for instrument, probes and accessories	0516 3301	
testo 300 instrument bag with carrying strap	0516 3001	

Probes and accessories

Modular flue gas probes	Order no.	
Modular flue gas probe, including cone for fixing; thermocouple NiCr-Ni; hose 2.2 m; dirt filter; length 180 mm; Ø 8 mm; Tmax. +500°C, TÜV-tested	0600 9760	
Modular flue gas probe, including cone for fixing; thermocouple NiCr-Ni; hose 2.2 m; dirt filter; length 300 mm; Ø 8 mm; Tmax. +500°C, TÜV-tested	0600 9761	
Modular flue gas probe, including cone for fixing; thermocouple NiCr-Ni; hose 2.2 m; dirt filter; length 180 mm; Ø 6 mm; Tmax. +500°C	0600 9762	
Modular flue gas probe, including cone for fixing; thermocouple NiCr-Ni; hose 2.2 m; dirt filter; length 300 mm; Ø 6 mm; Tmax. +500°C	0600 9763	
Flexible flue gas probe; thermocouple NiCr-Ni; hose 2.2 m; dirt filter; length 330 mm; Ø 9 mm; Tmax. +180°C; short-term +200°C; ideal for measurements in difficult-to-access locations	0600 9770	

Compact flue gas probes	Order no.	
Compact basic flue gas probe, 180 mm, Ø 6 mm, Tmax. +500°C	0600 9740	
Compact basic flue gas probe, 300 mm, Ø 6 mm, Tmax. +500°C	0600 9741	

Probe accessories and probe filter	Order no.	
Modular probe shaft; length 180 mm; Ø 8 mm; Tmax. +500°C	0554 9760	
Modular probe shaft; length 300 mm; Ø 8 mm; Tmax. +500°C	0554 9761	
Probe shaft; length 335 mm; including cone; Ø 8 mm; Tmax. +1,000°C	0554 8764	
Flexible probe shaft; length 330 mm; Ø 9 mm; Tmax. +180°C	0554 9770	
Multi-hole probe shaft; length 300 mm; Ø 8 mm; for CO mean value calculation	0554 5762	
Multi-hole probe shaft; length 180 mm; Ø 8 mm; for CO mean value calculation	0554 5763	
Hose extension; 2.8 m; probe-instrument extension tube	0554 1202	
Spare dirt filter, modular probe, 10 off	0554 3385	
Spare dirt filter, compact probe, 10 off	0554 0040	
Cone with spring clamp and handle option, Tmax. +200°C, Teflon material, Ø 6 mm	0554 3327	
Cone with spring clamp and handle option, Tmax. +200°C, Teflon material, Ø 8 mm	0554 3328	

More probes and accessories	Order no.	
Dual wall clearance probe for O_2 air input measurement	0632 1260	
Ambient CO probe (digital), fixed cable	0632 1272	
Solid fuel kit, including probe shaft, adapter	0600 9765	
Hose connection kit with adapter for testo 300 for separate gas pressure measurement	0554 1203	
Pressure connection hose, single, Ø 4/6 mm	0554 0449	
Capillary hose kit for 4 Pa measurement (can only be used in combination with 0554 1203)	0554 1215	
Pressure test kit for gas pipe test, testo 300, testo 330-1/-2 LL version 2010	0554 1213	

Temperature probes	Order no.	
Robust combustion air probe with NTC temperature sensor	0615 1712	
Clamp probe with NTC temperature sensor for measurements on pipes (Ø 6 to 35 mm)	0615 5505	
Pipe wrap probe (NTC) for pipe diameters from 5 to 65 mm	0615 5605	
Waterproof immersion/penetration probe with NTC temperature sensor	0615 1212	
Temperature probe with Velcro (NTC)	0615 4611	

Technical data

Measurement parameter	Measuring range	Accuracy (±1 digit)	Resolution
O_2 measurement	0 to 21 vol.%	±0.2 vol.%	0.1 vol.%
CO measurement (without H_2 compensation)	0 to 4,000 ppm	±20 ppm (0 to 400 ppm) ±5% of m.v. (401 to 2,000 ppm) ±10% of m.v. (2,001 to 4,000 ppm)	1 ppm
CO measurement (with H_2 compensation)	0 to 8,000 ppm	±10 ppm or ± 10% of m.v. (0 to 200 ppm) ±20 ppm or ± 5% of m.v. (201 to 2,000 ppm) ±10% of m.v. (2,001 to 8,000 ppm)	1 ppm
CO measurement (without H_2 compensation and dilution)	0 to 15,000 ppm	±200 ppm or ± 20% of m.v.	1 ppm
CO measurement (with H_2 compensation and dilution)	0 to 30,000 ppm	±100 ppm or ± 10% of m.v.	1 ppm
NO measurement	0 to 3,000 ppm	±5 ppm (0 to 100 ppm) ±5% of m.v. (101 to 2,000 ppm) ±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%
CO_2 determination (digital calculation from O_2)	Display range 0 to CO_2 max.	±0.2 vol.%	0.1 vol.%
Draught measurement	-9.99 to +40 mbar	±0.005 mbar (0 to 0.1 mbar) ±0.02 mbar (0.1 to +3.00 mbar) ±1.5% of m.v. (+3.01 to +40 mbar)	0.001 mbar (0 to 0.1 mbar) 0.01 mbar (remaining meas. range)
Pressure measurement	-100 to +200 mbar	±0.5 mbar (0 to +50.0 mbar) ±1% of m.v. (+50.1 to +100.0 mbar) ±1.5% of m.v. (+100.1 to +200 mbar)	0.01 mbar
Temperature (instrument)	-40 to +1,200°C	±0.5°C (0.0 to +100.0°C) ±0.5% of m.v. (remaining meas. range)	0.1°C (-40 to +999.9°C) 1°C (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

Certification	The testo 300 is TÜV-tested according to 1st German Federal Immission Control Ordinance (BImSchV) EN 50379, Parts 1-3
Storage temperature	-20 to +50°C
Operating temperature	-5 to +45°C
Charging temperature	0 to +45°C
Humidity application range	15 to 90% RH, not condensing
Power supply	Rechargeable battery, USB mains unit
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. 800 g
Dimensions	L: 244 mm (including probe connection) H: 59 mm W: 98 mm
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

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Other instruments for heating engineers

testo Smart Probes Heating Set

Measure and check all heating system temperatures and pressures in conjunction with your smartphone. The robust testo Smart Case enables the measuring instruments to be conveniently transported and ensures that they are always to hand when needed.
- Measurement of gas flow and static pressure
- Non-contact temperature measurement on underfloor heating systems and radiators
- Measurement menu for pressure drop test, including alerts via testo Smart Probes App
- Rapid image documentation with IR temperature readings and measuring spot marking

Set contains testo 115i, testo 510i and testo 805i in a testo Smart Case

Order no   0563 0004

testo 317-3 CO Monitor

The compact testo 317-3 CO meter is designed to provide you with a quick and reliable means of testing the surrounding air for carbon monoxide.
- Ready to go: no zero phase
- Alarm with adjustable thresholds
- Carry case with belt clip and handstrap
- 3-year CO sensor warranty

Order no   0632 3173

testo 760-2 TRMS Multimeter

The allrounder for all important electrical measuring tasks. Thanks to the automatic detection of measurement parameters, it offers the greatest possible reliability for every application. You can also measure current in the μA range and determine the true root mean square using this digital multimeter.
- True root mean square measurement - TRMS
- Current measurement in the μA range
- Integrated temperature adapter
- Low-pass filter for accurate measurement results on frequency converter controlled motors

Order no   0590 7602

testo 830 Infrared Thermometer

Allows efficient, non-contact surface temperature measurements to be carried out. The IR thermometer will leave you well equipped, especially for control readings in trade and industry. The gun-style design is easy to handle and the integrated processor provides accurate measurement results.
- Infrared thermometer for non-contact surface temperature measurements
- Easy to use thanks to the gun-style design
- Adjustable emission level

testo 830-T1
- 10:1 optics and high resolution processor for accurate measurement results
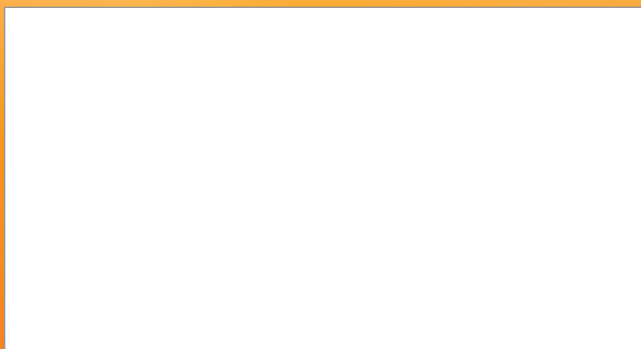Order no   0560 8311

testo 830-T2
- 12:1 optics and high resolution processor for accurate measurement results
- Contact measurement possible with connectable temperature probe (TC type K)
Order no   0560 8312

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Subject to change without notice.

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