Be sure. **testo**

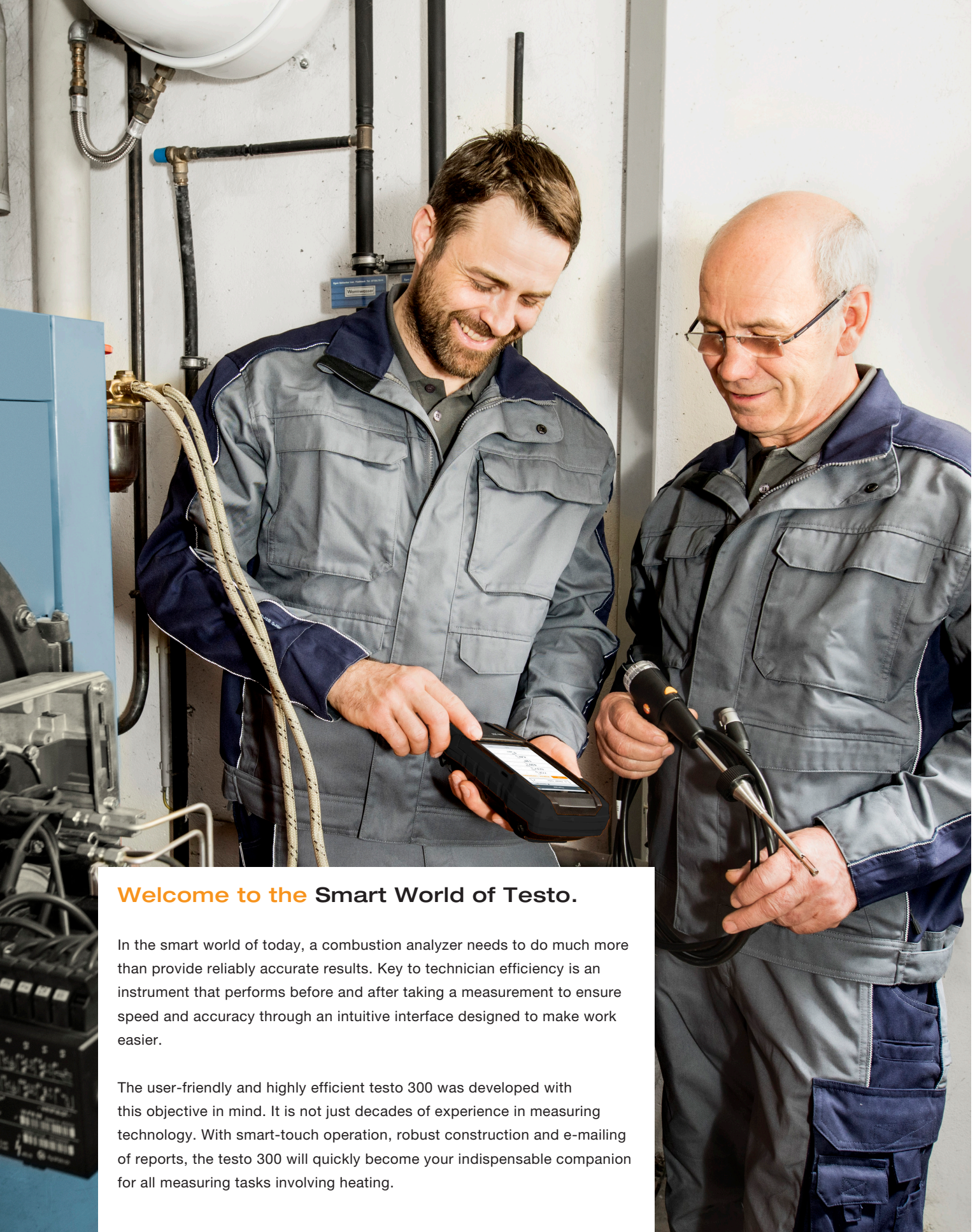**SmartTouch**

Truly smart combustion measurement.

The new testo 300 Smoke Edition combustion analyzer with smart-touch technology.

Welcome to the Smart World of Testo.

In the smart world of today, a combustion analyzer needs to do much more than provide reliably accurate results. Key to technician efficiency is an instrument that performs before and after taking a measurement to ensure speed and accuracy through an intuitive interface designed to make work easier.

The user-friendly and highly efficient testo 300 was developed with 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.

Truly efficient: The advantages.

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 straight away via Wi-Fi.

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.

On-screen display:

2:41 PM   100%

Flue Gas Analysis

▼ Natural gas

Jake's Automotive
Boiler 2

| List | Graphics | Hot Spot |

16.2 O_2 %

167 CO ppm

84.7 Eff %

2.65 CO_2 %

145.2 Tstack °F

68.8 Tamb °F

SmartTouch

testo 300

3

Truly robust:
The construction.

Smart measuring technology is of little benefit if it can't keep going in tough day-to-day working conditions, because your measuring instrument is a partner that supports you every day in the efficient, problem-free performance of your tasks. This is precisely why the testo 300 has a particularly resilient and high-quality construction.

Protected display
Scratch-resistant, recessed and with a special replaceable protective film.

Secure mounting
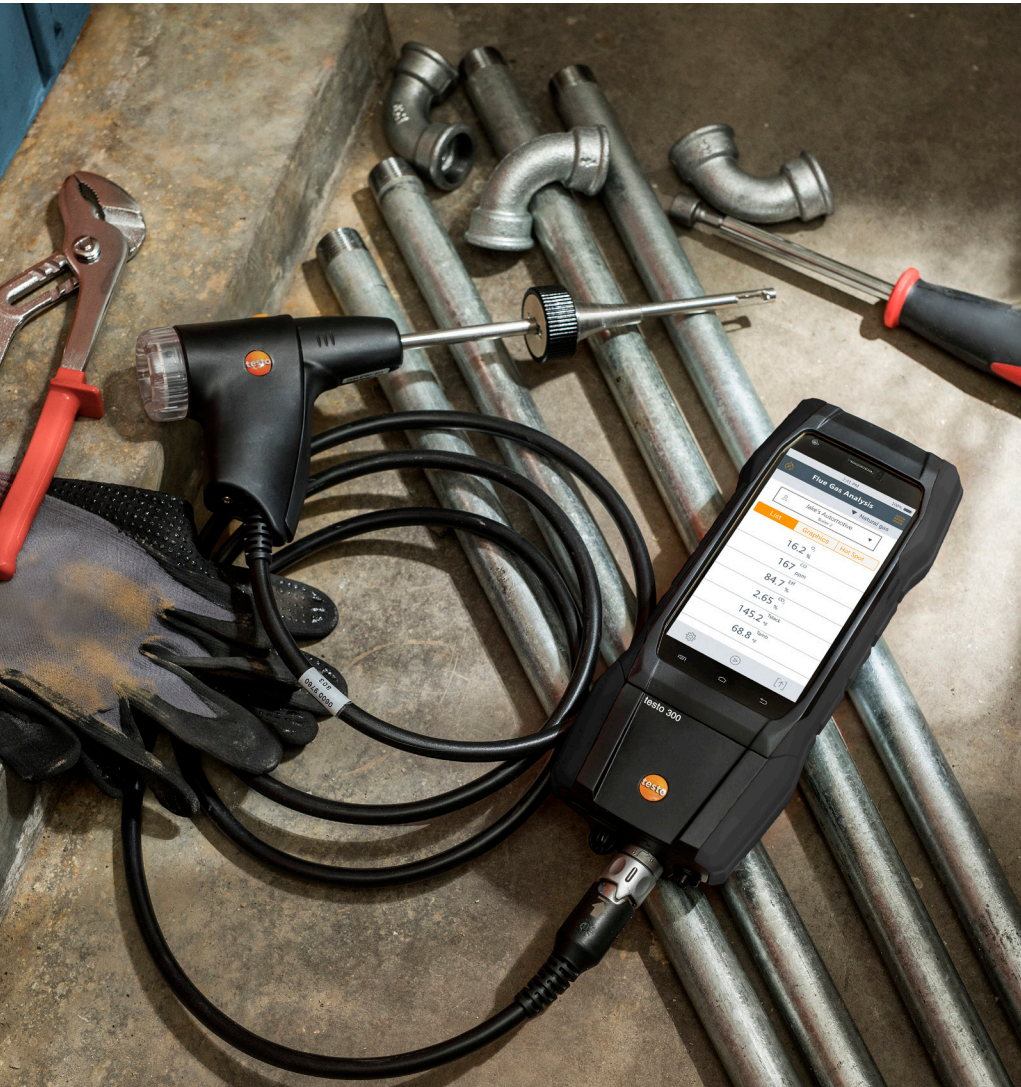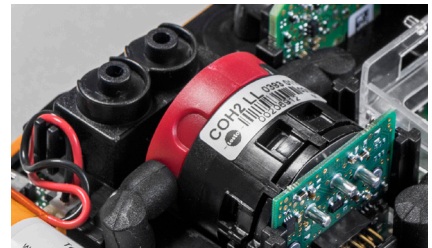4 strong magnets with rubber coating – particularly material friendly.

Bolted housing
For that extra degree of stability when it really matters.

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

Truly flexible:
Instrument configuration and probe system.

A combustion analyzer perfectly tailored to your needs

The testo 300 doesn't just give you smart operation – the configuration also has that certain something. This means you can choose between a 2-year and 4-year warranty for the sensor technology. In addition to O_2 and CO, you can also add a third sensor slot for the measurement of NO_x as an option. Various kits with special instrument configurations and individual accessories are available, specifically tailored to the requirements of your individual application.

Versatile probes – quickly changed

One handle for a variety of probes

A variety of probe shafts can easily be attached to the multi-functional handle. This ensures you enjoy a high level of flexibility in all applications. And you are ready to measure even more quickly, thanks to connection via a universal plug.

Proven probes

You can use the testo 320, testo 330 and testo 330-1/-2 LL probes with their practical multiple plug for the testo 300 as well.

New probes

New probes with anti-rotation USB C connection are available for temperature measurement, for example of flow and return temperatures, along with ambient CO measurement.
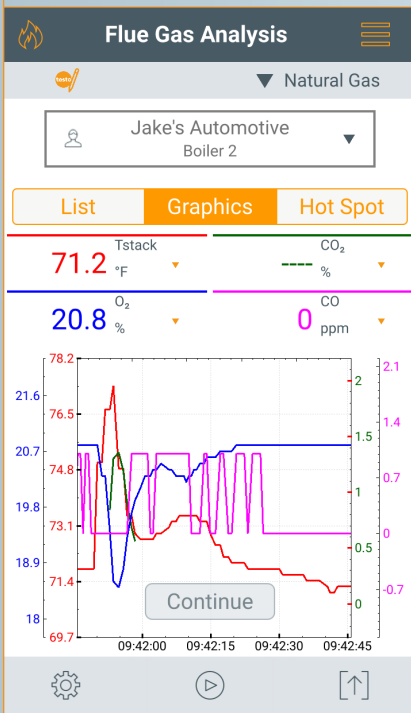
testo interface function

The testo 300 provides an interface with a variety of industry software. This enables you to access the testo 300's readings with your terminal devices and tools and to document them or further process them in your industry software.

testo App to App Interface
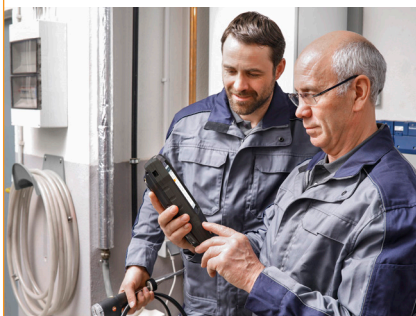
Truly intuitive: The menus.

Flue gas values as a graphic

See all the readings in a graphic progression display – and identify, for instance, how the flue gas loss relates to the CO value.

Smart tracking of flue gas values

All the relevant values at a glance. The display can be individually configured and can easily be enlarged using the zoom-in function.
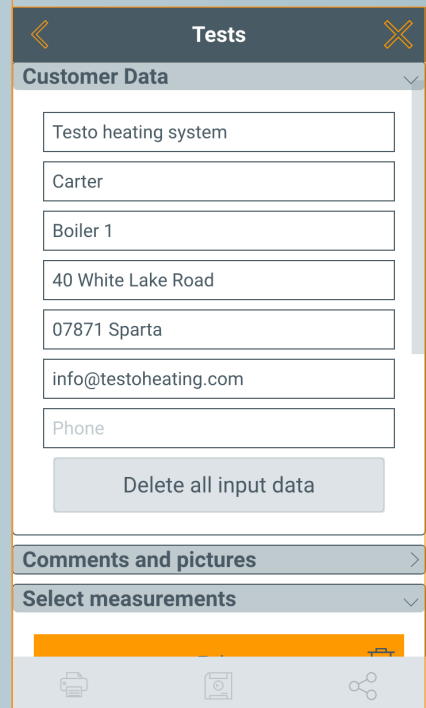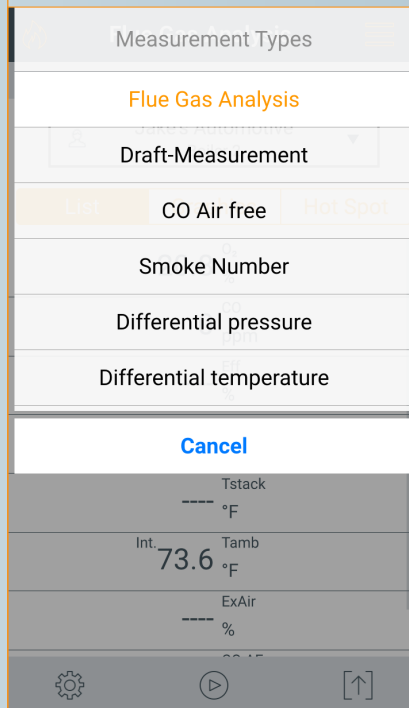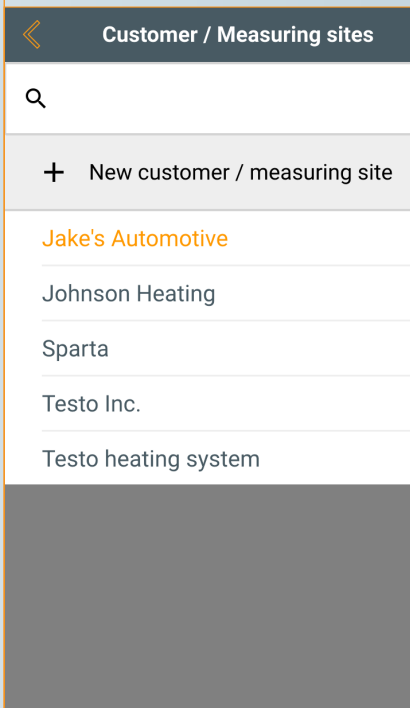
Customer / measuring site

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

Professional documentation

Create measurements with all the information about readings, customers and heating systems directly on site, add comments to them, have the measurements confirmed by the customer's signature and send the tests. 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 readily available.

Customer / Measuring sites

🔍

➕ New customer / measuring site

Jake's Automotive

Johnson Heating

Sparta

Testo Inc.

Testo heating system

Measurement Types

Flue Gas Analysis

Draft-Measurement

CO Air free

Smoke Number

Differential pressure

Differential temperature

Cancel

Tstack
---- °F

Int. 73.6   Tamb
°F

ExAir
---- %

Tests

Customer Data

Testo heating system

Carter

Boiler 1

40 White Lake Road

07871 Sparta

info@testoheating.com

Phone

Delete all input data

Comments and pictures

Select measurements

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.

Combustion Analyzer Kits.

testo 300 Smoke Edition Kit

	testo 300 Smoke Edition Kit	
Order no.	0564 3002 82	
Instrument, including power supply	O₂, CO, 4,000 ppm	
Probe, including 10 spare filters	Compact flue gas probe (12 in, Ø 0.25 in.)	
Printer, including spare paper	➖	
testo EasyHeat software (free download - www.testo.com)	✅	
Instrument bag	✅	
Warranty	2 years	

testo 300 Smoke Edition Printer Kit

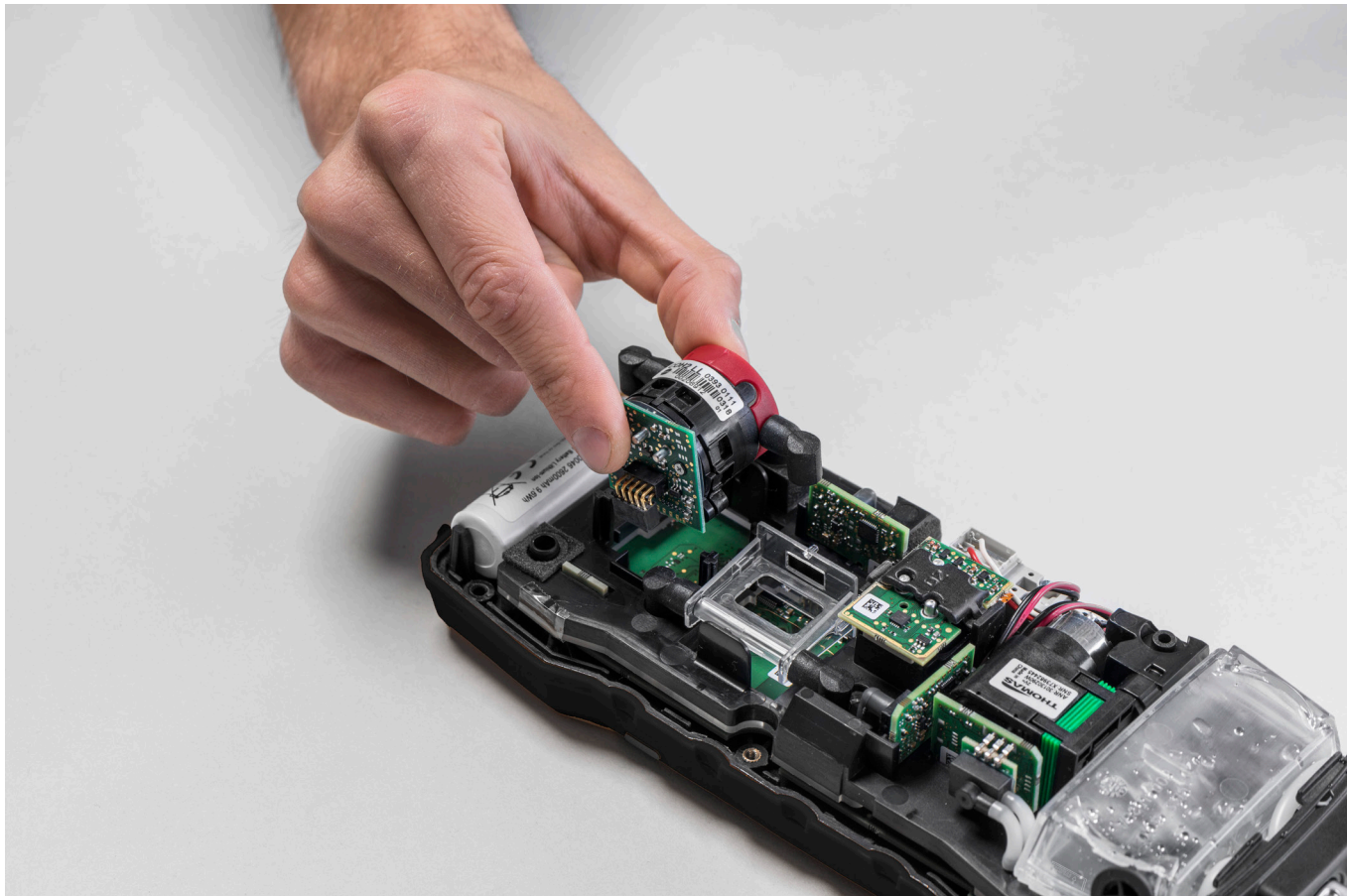|	testo 300 Smoke Edition Kit with Printer	
Order no.	0564 3002 83	
Instrument, including power supply	O₂, CO, 4,000 ppm	
Probe, including 10 spare filters	Compact flue gas probe (12 in., Ø 0.25 in.)	
Printer, including spare paper	✅	
testo EasyHeat software (free download - www.testo.com)	✅	
Instrument bag	✅	
Warranty	2 years	

testo 300 Pro Kits

	testo 300 Pro Commercial Kit 0564 3004 92	testo 300 Pro Commercial Kit with Printer 0564 3004 93	testo 300 Pro Commercial / Industrial Kit w/ CO (up to 30,000 ppm), NO, and Printer 0564 3004 96
Instrument incl. power supply	O₂, CO, 4,000 ppm, NO sensor - can be retrofitted	O₂, CO, 4,000 ppm, NO sensor - can be retrofitted	O2, CO, 30,000 ppm, NO sensor
Probe incl 10 spare filters	Modular flue gas probe (12 in, Ø 0.25 in)	Modular flue gas probe (12 in, Ø 0.25 in)	Modular flue gas probe (12 in, Ø 0.25 in)
Printer incl spare paper	➖	✅	✅
testo EasyHeat software	✅ (free download - www.testo.com)	✅ (free download - www.testo.com)	✅ (free download - www.testo.com)
Instrument case	✅	✅	✅
Warranty	4 years	4 years	4 years

Illustration differs depending on kit type

Reference Guide.

Spare gas sensors/retrofitting	Order no.
O_2 sensor, with 4-year warranty	0393 0023
CO sensor (without H_2 compensation), with 4-year warranty	0393 0051
CO sensor (without H_2 compensation), with 2-year warranty	0393 0053
CO sensor, H_2-compensated, with 4-year warranty	0393 0101
CO sensor, H_2-compensated, with 2-year warranty **SPECIAL ORDER**	0393 0105
NO sensor	0393 0151

Accessories	Order no.
testo Bluetooth®printer, including 1 roll of thermal paper, rechargeable battery and power supply	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 power supply, including USB cable	0554 1106
testo EasyHeat PC software for displaying measurement procedures as diagrams, tables and for customer data management (Free download available at www.testo.com)	0554 3332
ISO calibration certificate for flue gas	0520 0003

Cases and carrying bags	Order no.
Instrument case (height: 5.11 inch (130 mm)) for instrument, probes and accessories	0516 3300
Instrument case with double base (height: 7.09 (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 7.2 ft; dirt filter; length 7 in; Ø 0.3125 in; Tmax. 932°F, tested	0600 9760
Modular flue gas probe, including cone for fixing; thermocouple NiCr-Ni; hose 7.2 ft; dirt filter; length 12 in; Ø 0.3125 in; Tmax. 932°F, TÜV-tested	0600 9761
Modular flue gas probe, including cone for fixing; thermocouple NiCr-Ni; hose 7.2 ft; dirt filter; length 7 in; Ø 0.25 in; Tmax. 932°F	0600 9762
Modular flue gas probe, including cone for fixing; thermocouple NiCr-Ni; hose 7.2 ft; dirt filter; length 12 in; Ø 0.25 in; Tmax. 932°F	0600 9763
Flexible flue gas probe; thermocouple NiCr-Ni; hose 7.2 ft; dirt filter; length 13 in; Ø 0.35 in; Tmax. 356°F; short-term 392°F; ideal for measurements in difficult to access locations	0600 9770

Compact flue gas probes	Order no.
Compact basic flue gas probe, 7 in, Ø 0.25 in, Tmax. 932°F	0600 9740
Compact basic flue gas probe, 12 in, Ø 0.25 in, Tmax. 932°F	0600 9741

Probe accessories and probe filter	Order no.
Modular probe shaft; length 7 in; Ø 0.3125 in; Tmax. 932°F	0554 9760
Modular probe shaft; length 12 in; Ø 0.3125 in; Tmax. 932°F	0554 9761
Probe shaft; length 13.19 in, including cone, Ø 0.3125 in, Tmax. 1,832°F	0554 8764
Flexible probe shaft; length 13 in; Ø 0.35 in; Tmax. 356°F	0554 9770
Multi-hole probe shaft; length 12 in; Ø 0.3125 in; for CO mean value calculation	0554 5762
Multi-hole probe shaft; length 7 in; Ø 0.3125 in; for CO mean value calculation	0554 5763
Hose extension; 9 ft; probe-instrument extension tube	0554 1202
Spare dirt filter, modular probe, 10 count	0554 3385
Spare dirt filter, compact probe, 10 count	0554 0040
Cone with spring clamp and handle option, Tmax. 392°F, Teflon material, Ø 0.25 in	0554 3327
Cone with spring clamp and handle option, Tmax. 392°F, Teflon material, Ø 5⁄16 in	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 0.66 in	0554 0449
Pressure test kit for gas pipe test, testo 300, testo 330-1/-2 LL version 2010	0554 1213

Temperature probes	Order no.
Combustion air temperature probe with 7.5 in. probe shaft incl. cone and magnets for attachment	0600 9799
Clamp probe with NTC temperature sensor for measurements on pipes (Ø 0.25 to 1.38 in)	0615 5505
Pipe wrap probe (NTC) for pipe diameters from 0.2 to 2.56 in	0615 5605
Waterproof immersion/penetration probe with NTC temperature sensor	0615 1212
Temperature probe with Velcro (NTC)	0615 4611

The 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. (2001 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) **Special order**	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.%
Draft measurement	-10.00 to +40 InH$_2$O	±0.002 InH$_2$O (0 to ±0.04 InH$_2$O) ±0.008 InH$_2$O (±0.04 to ±1.20 InH$_2$O) ±1.5% of m.v. (remaining meas.range)	0.0001 inH$_2$O
Pressure measurement	-40 to 80 InH$_2$O	±0.2 InH2O (0 to ±20.0 InH$_2$O) ±1% of m.v. (±20.1 to ±40.0 InH$_2$O) ±1.5% of m.v. (remaining meas. range)	0.01 InH$_2$O
Temperature (instrument)	-40 to 2,192°F	±1°F (32 to 212.0°F) ±0.5% of m.v. (remaining meas. range)	0.1°F (-40 to 1831.82°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 mio. measurement values
Display	5.0" touch display, HD 1280x720 pixels, IPS (160 k)
Weight	Approx. 1.76 lbs. (0.80 kg)
Dimensions	L: 9.60 in. (244 mm) (including probe connection) H: 2.32 in. (59 mm) W: 3.86 in. (98 mm)
testo 300 Smoke Edition warranty	Instrument/probe/gas sensors O_2, CO sensor 24 months Thermocouple and rechargeable battery 12 months
testo 300 Pro 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