

Be sure. **testo**



**NEW**



# Save energy **NOW!**

Increase the efficiency of your industrial plants and buildings.  
The new efficiency marvels testo 300 NEXT LEVEL and testo 316.

# SAVE energy now!

WIRELESS  
PARALLEL  
MEASUREMENT  
in record time

With the new testo 300 NEXT LEVEL and testo 316 measuring instruments, you can quickly and easily optimize the efficiency of your industrial plants and buildings. Optimal combustion and the avoidance of gas leaks will save you energy and costs - especially important with rising raw material prices!

Increase the efficiency of your plants and buildings with the **testo 300 NEXT LEVEL** flue gas analyzer.

#### FAST. SIMPLE. DIGITAL.

With the flue gas analyzer **testo 300 NEXT LEVEL**, you have everything under control and from a single source. The large measuring range and the proven Testo quality reliably support you with up to 4 years warranty. Make measuring and documenting easier and faster again.

#### YOUR BENEFITS:

##### Wireless parallel measurements in record time:

Efficient, wireless measurement of up to four additional parameters, such as gas pressure and surface or air temperature in parallel via the testo Smart Probes - thanks to the new flue gas analyzer testo 300 NEXT LEVEL and the new Bluetooth® Connector!

The free **testo Smart App** offers a practical **second-screen function**. This means that you always have all the relevant measurement data in view, even if the distance between the measuring instrument and the burner control unit is greater - saving unnecessary travel and time. Also save more valuable time with **simple, intuitive documentation** on site, and **by sending measurement data by e-mail**.

Profit from the benefits of **easy data integration into your in-house software** - fewer transmission errors, less paperwork, less stress.

NEW

Ideal for professional flue gas analysis on industrial engines, burners, gas turbines and in thermal processes:  
**the testo 300 NEXT LEVEL**

EASY DATA  
INTEGRATION  
into your in-house  
software

PRACTICAL  
SECOND-SCREEN  
FUNCTION  
via the testo  
Smart App



# Save even more energy!

Increase the efficiency of your plants and buildings even further with the new leakage detector **testo 316-1-EX**.

The new range of leak detectors testo 316 covers all requirements and areas of application in leakage detection. Thanks to explosion protection, the **testo 316-1-EX** is certified for explosion safety according to ATEX (EU/EFTA). Expert functions such as fine mode and auto-identification of the typical gas groups make leak detection even easier and more reliable. The free testo Smart App simplifies documentation.

#### KEY BENEFITS:

- 1. Reduce operating costs**  
through increased service life and reduced fuel consumption
- 2. Optimize your carbon footprint**  
with lower harmful emissions
- 3. Efficient and paperless documentation**  
via the testo Smart App
- 4. Precise detection of leaks**  
using the expert function with fine mode

#### MAIN FEATURES:

- 1. Multicolour LED on sensor head**  
as well as audible alarm for intuitive operation
- 2. Flexible measuring probe**  
for locations that are difficult to access
- 3. Connection to testo Smart App**  
for documentation and ppm display
- 4. Battery operation** with long runtime
- 5. ATEX (EU/EFTA) certification**
- 6. Expert functions:**  
Fine mode for precise leak detection and auto-identification of the most common gas types



**EASY OPERATION**  
thanks to  
multicolor LED on  
the sensor head

**NEW**

**The professional instrument for the combustible gas sector and for increased safety requirements: the new testo 316-1-EX**



**EASY DOCUMENTATION**  
via the testo  
Smart App



**ATEX CERTIFICATION + expert functions**

# Our flue gas analyzer for professional flue gas analysis

## The flue gas analyzer **testo 300 NEXT LEVEL**

testo 300 Longlife Industry kits				
	testo 300 NEXT LEVEL Longlife INDUSTRY kit 1	testo 300 NEXT LEVEL Longlife INDUSTRY kit 2	testo 300 NEXT LEVEL Longlife INDUSTRY kit 3	testo 300 NEXT LEVEL Longlife INDUSTRY kit 4
Order no.	0564 3004 01	0564 3004 02	0564 3004 03	0564 3004 04
EUR	xxx.xx	xxx.xx	xxx.xx	xxx.xx
Instrument, including mains unit	O <sub>2</sub> , CO H <sub>2</sub> , 8,000 ppm, NO, NO <sub>low</sub> , CO <sub>low</sub> sensor retrofittable	O <sub>2</sub> , CO H <sub>2</sub> , 8,000 ppm, NO	O <sub>2</sub> , CO H <sub>2</sub> , 30,000 ppm, NO, NO <sub>low</sub> , CO <sub>low</sub> sensor retrofittable	O <sub>2</sub> , CO H <sub>2</sub> , 30,000 ppm, NO
Probe, including 10 spare filters	Modular flue gas probe (300 mm, Ø 8 mm)	Modular flue gas probe (300 mm, Ø 8 mm)	Modular flue gas probe (300 mm, Ø 8 mm)	Modular flue gas probe (300 mm, Ø 8 mm)
Instrument case	✓	✓	✓	✓
Smart Probes compatible	✓	✓	✓	✓
Connection to Smart App	✓	✓	✓	✓
Warranty	4 years	4 years	4 years	4 years



## Accessories **testo 300 NEXT LEVEL**

Spare gas sensors/retrofitting	Order no.	EUR
O <sub>2</sub> sensor, with 4-year warranty	0393 0023	xxx.xx
CO sensor (without H <sub>2</sub> compensation), with 4-year warranty	0393 0051	xxx.xx
CO sensor, H <sub>2</sub> -compensated, with 4-year warranty	0393 0101	xxx.xx
NO sensor	0393 0151	xxx.xx
NO <sub>low</sub> sensor	0393 0152	xxx.xx
Accessories	Order no.	EUR
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	xxx.xx
Spare thermal paper for printer, permanent ink	0554 0568	xxx.xx
testo Bluetooth® Connector for connecting the testo 300 flue gas analyzer to testo Smart Probes When you purchase a new testo 300 NEXT LEVEL, the testo Bluetooth® Connector is included in the scope of delivery. The testo Bluetooth® Connector is only designed for connecting testo Smart Probes.	0554 3004	xxx.xx
Gas sampling probes	Order no.	EUR
Flue gas probe, modular, 335 mm immersion depth, incl. probe stop, thermocouple NiCr-Ni (TI) Tmax 500 °C and NO <sub>2</sub> /SO <sub>2</sub> special hose 2.2 m	0600 9766	xxx.xx
Flue gas probe, modular, 700 mm immersion depth, incl. probe stop, thermocouple NiCr-Ni (TI) Tmax 500 °C and NO <sub>2</sub> /SO <sub>2</sub> special hose 2.2 m	0600 9767	xxx.xx
Flue gas probe, modular, 335 mm immersion depth, incl. probe stop, thermocouple NiCr-Ni (TI) Tmax 1000 °C and NO <sub>2</sub> /SO <sub>2</sub> special hose 2.2 m	0600 8764	xxx.xx
Flue gas probe, modular, 700 mm immersion depth, incl. probe stop, thermocouple NiCr-Ni Tmax 1,000 °C and NO <sub>2</sub> /SO <sub>2</sub> special hose 2.2 m	0600 8765	xxx.xx
Flue gas probe, modular, with pre-filter Ø 14 mm 335 mm immersion depth, incl. probe stop, thermocouple NiCr-Ni (TI) Tmax 1,000°C and NO <sub>2</sub> /SO <sub>2</sub> special hose 2.2 m	0600 8766	xxx.xx
Flue gas probe, modular, with pre-filter Ø 14 mm 700 mm immersion depth, incl. probe stop, thermocouple NiCr-Ni (TI) Tmax 1,000°C and NO <sub>2</sub> /SO <sub>2</sub> special hose 2.2 m	0600 8767	xxx.xx
Transport bag for probes suitable for all unheated probes with a total length > 335 mm	0516 7600	xxx.xx

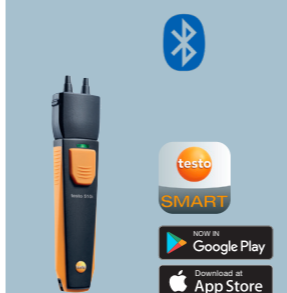
## Overview of flue gas measuring instruments **testo 300 Longlife Industry**

Order no.	Longlife sensors	O <sub>2</sub> sensor	CO sensor	CO H <sub>2</sub> sensor	NO sensor, NO <sub>low</sub> sensor and CO <sub>low</sub> sensor		Zeroing with probe in flue gas
					available	retrofitable	
0633 3004 73 EUR xxx.xx	✓	✓	8,000 ppm	✓		✓	✗
0633 3004 75 EUR xxx.xx	✓	✓	8,000 ppm	✓	✓		✗
0633 3004 88 EUR xxx.xx	✓	✓	30,000 ppm	✓		✓	✓
0633 3004 85 EUR xxx.xx	✓	✓	30,000 ppm	✓	✓		✓

### Longlife sensors

High-end sensors with a service life of up to 6 years for intensive use (several times a day). At least one sensor replacement is saved in the course of a normal working life.

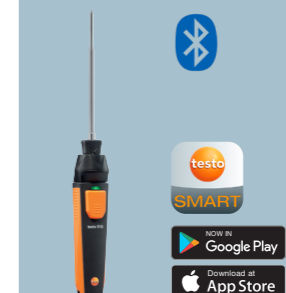
## testo Smart Probes with operation and documentation completely via the **testo 300 NEXT LEVEL**



**testo 510i**  
Differential pressure measuring instrument operated with your smartphone

Order no. 0560 1510

Now on Google Play  
Download at App Store



**testo 915i**  
Thermometer with air probe and smartphone operation

Order no. 0563 3915

Now on Google Play  
Download at App Store

# More flue gas analyzers for professional flue gas analysis and industrial emission measurement

**Flue gas analyzer system testo 340:** The ideal handheld instrument for industrial flue gas analysis



The handy and compact 4-sensor instrument for versatile emission measurements

- 4 sensors
- Standard sensor O<sub>2</sub>
- Optional sensors: CO, CO<sub>low</sub>, NO, NO<sub>low</sub>, NO<sub>2</sub>, SO<sub>2</sub>
- CO<sub>2</sub> determination via calculation from O<sub>2</sub>
- Standard:  
Dilution of one sensor factor 5  
Dilution of all sensors factor 2

**Flue gas analyzer system testo 350:** Emission measurement for the highest demands



The flexible solution with 6 sensors for all industrial measurement jobs

- 6 sensors
- Standard sensor O<sub>2</sub>
- Optional sensors: CO, CO<sub>low</sub>, NO, NO<sub>low</sub>, NO<sub>2</sub>, SO<sub>2</sub>, H<sub>2</sub>S, C<sub>x</sub>H<sub>y</sub>
- CO<sub>2</sub> measurement optional when equipped with CO<sub>2</sub> infrared sensor
- Option:  
Dilution of a sensor, factor selectable 2, 5, 10, 20, 40  
Dilution of all sensors factor 5

## testo 340 Flue gas analyzer

testo 340 flue gas analyzer incl. rechargeable battery, calibration protocol and carrying strap, equipped with O<sub>2</sub> sensor and integrated flow/differential pressure measurement, individual dilution and dilution of all sensors.



Order no. 0563 3100



## testo 350 Control Unit

The testo 350 Control Unit displays the measurement data and controls the analyzer box. Incl. rechargeable battery, measurement data memory, USB interface and connection for Testo data bus.



Order no. 0632 3511

## testo 350 analyzer box

testo 350 analyzer box, equipped with O<sub>2</sub>, including differential pressure sensor, temperature probe input Type K NiCr-Ni and Type S, Pt10Rh-Pt, Testo data bus connection, rechargeable battery, integrated combustion air probe (NTC), trigger input, measurement data memory, USB interface Upgradable to max. 6 gas sensors from the selection of CO, CO<sub>low</sub>, NO, NO<sub>low</sub>, NO<sub>2</sub>, SO<sub>2</sub>, CO<sub>2</sub> NDIR, C<sub>x</sub>H<sub>y</sub>, H<sub>2</sub>S.



Order no. 0632 3510

# For professional gas leak detection

The professional instrument for the combustion gas sector and for increased safety requirements: The new gas leak detector **testo 316-1-EX**

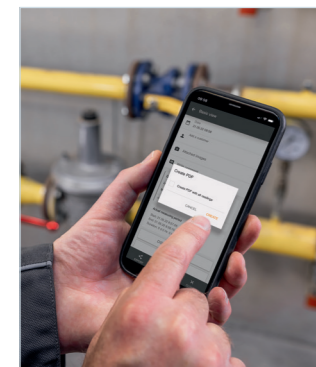
**testo 316-1-EX gas leak detector**

testo 316-1-EX gas leak detector with explosion protection, including bag and charger

Order no. 0560 3163




Measuring instrument accessories	Order no.	EUR
Bag 	0590 0018	xxx.xx



**Detectable gases:**

- Methane / CH<sub>4</sub>
- Propane / C<sub>3</sub>H<sub>8</sub>
- Hydrogen / H<sub>2</sub>
- Butane / C<sub>4</sub>H<sub>10</sub>

**Your key benefits**

1. Multi-colour LED (visual and acoustic alarm)
2. Flexible probe for locations that are difficult to access
3. Connection to testo Smart App for documentation and ppm display
4. Battery-powered
5. ATEX (EU/EFTA) certification
6. Expert functions: Fine mode for precise leak detection and auto-identification of the most common gas types

The ultimate world innovation: The new gas leak detector **testo 316-2-EX** with the 2-in-1 sensor for fuel gases and refrigerants

**testo 316-2-EX Gas leak detector**

testo 316-2-EX Multi-purpose gas leak detector with explosion protection, including bag and charger

Order no. 0560 3164




Measuring instrument accessories	Order no.	EUR
Bag 	0590 0018	xxx.xx
Interchangeable sensor head 	0393 3164	xxx.xx



**Detectable gases:**

- Methane / CH<sub>4</sub>
- Propane / C<sub>3</sub>H<sub>8</sub>
- Hydrogen / H<sub>2</sub>
- Butane / C<sub>4</sub>H<sub>10</sub>

**Refrigerant:**

R1234yf	R290
R134A	R417A
R404A	R513A
R407C	R32
R410A	R449A
R1234ze	R22

**Your key benefits**

1. Multi-colour LED (visual and acoustic alarm)
2. Flexible probe for locations that are difficult to access
3. Connection to testo Smart App for documentation and ppm display
4. Battery-powered
5. ATEX (EU/EFTA) certification
6. Expert functions: Fine mode for precise leak detection and auto-identification of the most common gas types
7. World's first 2-in-1 sensor for fuel gases and refrigerants (e.g. for heat pumps or refrigeration systems), for leak detection without changing sensor

# For preventive maintenance on your plants

Optimal for applications around daily maintenance and installation in industry: The thermal imager **testo 872s**






**testo 872s thermal imager**

- Image quality with IR resolution of 320 x 240 pixels (640 x 480 with testo SuperResolution)
- Thermal sensitivity of 0.06 °C
- Integrated laser marker – is also exactly visible as the measurement point in the thermal image

Order no. 0560 8725

Developed for service engineers, facility managers and building energy consultants: The **testo 883** thermal imager





**testo 883 thermal imager**

- Image quality with IR resolution of 320 x 240 pixels (with testo SuperResolution technology 640 x 480 pixels)
- Thermal sensitivity of 0.04 °C
- Manual focus and exchangeable lenses

Order no. 0560 8830

# When it comes to service, there's no alternative: With us, you'll never have to worry about safety



## **We have the answers to your questions**

If you need assistance with certain measurement jobs, or if we can advise you on which measuring instrument is best suited to your application: Our experts are there for you.

## **Repair, service and instrument loans**

So that you're always ready for action, we offer a 24-hour spare part service, including collection and delivery service as well as loan instrument service, for all Testo flue gas measuring instruments.

## **Calibration: More precision, more security**

In our accredited laboratories, we ensure that your measuring technology works with precision and in compliance with the standards.

2981 XXX4/msp/09.2022 – Subject to change, including technical changes, without notice. All prices net, plus shipping costs and VAT, valid from 01/01/2022. Payment within 30 days net.



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Find out more