

Be sure. **testo**



THERE'S NO ALTERNATIVE

... when it comes to the safe, combined detection of gas
and refrigerant leaks: the new testo 316 series

For leak detection, there's no alternative: The new testo 316 series

Why make things complicated when you can keep them simple?

The daily work routine is becoming more and more demanding. Time is getting scarcer, while processes are becoming more complex. However, on the other hand, some things unfortunately don't change: Instrument operation and documentation are both cumbersome and time-consuming. But it doesn't have to be that way!

The testo 316-2-EX: featuring the world's first 2-in-1 sensor for gas and refrigerant

The new range of leak detectors covers all requirements and areas of application. They include a game-changing feature: Our innovative **2-in-1 sensor in the testo 316-2-EX** detects both gas and refrigerant, making your work even more efficient.

Additional time-saving features:

- Sensor self-test and automatic zeroing
- Connection to testo Smart App for ppm / %LEL / g/a display and documentation
- Expert functions: Fine mode for exceptionally precise leak detection, auto-identification of the most common gas types

WORLD INNOVATION

WORLD'S FIRST DETECTOR for gas and refrigerant with no change of sensor

Visual and audible alarm



Multi-colour DISPLAY

Multi-colour LED INDICATOR green | yellow | red



When it comes to versatility, there's no alternative: An overview of our high- efficiency products

Whether it's for a small system or an industrial plant, whether you are an occasional user or a heavy user – we have the perfect solution for fast, reliable leak detection. Opt for Testo's new high-efficiency products and save yourself time and money.



Overview of the new testo 316 gas leak detectors:

	testo 316i	testo 316-1	testo 316-1-EX	testo 316-2-EX
BASIC				
Detectable gases: Methane, propane, hydrogen, butane	✓	✓	✓	✓
Automatic zeroing	✓	✓	✓	✓
Acoustic alarm	✓	✓	✓	✓
Multi-colour LED on sensor head for intuitive operability	✓	✓	✓	✓
Case for storage and protection included in the delivery		✓	✓	✓
Multi-colour instrument display for clear visual alarm		✓	✓	✓
testo Smart App for documenting and performing detection	✓		✓	✓
PREMIUM				
Display of ppm values	via testo Smart App	via instrument display	via instrument display and testo Smart App	
ATEX certification (EU/EFTA)			✓	✓
Fine mode for precise detection of leaks			✓	✓
Automatic detection of common gas types			✓	✓
World's first gas leak detector for gases and for refrigerants without changing sensors				✓



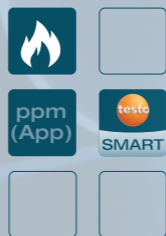
For a perfect fit, there's no alternative: The right instrument for your requirements

testo 316i – simply SMART

Ideal if you wish to rule out or locate leaks in gas fittings – equipped with simple traffic light LED on the head and self-explanatory bar scale. In addition, PPM values and even %LEL (lower explosive limit) can be called up and documented via the app.

Key benefits:

1. Multi-colour LED on sensor head (as well as audible alarm)
2. Sensor self-test and automatic zeroing
3. Flexible probe for locations that are difficult to access
4. Battery-powered
5. Connection to **testo Smart App for documentation and PPM display**



testo 316-1 – simply EASY

Our recommendation, if you like to keep things simple: Identifying and locating leaks or even reading off concentration values in ppm or %LEL (lower explosive limits) are all exceptionally easy. No training required thanks to the intuitive traffic-light scale on the head and the display illumination.

Key benefits:

1. Multi-colour LED on sensor head (as well as audible alarm)
2. Sensor self-test and automatic zeroing
3. Flexible probe for locations that are difficult to access
4. Battery-powered
5. **All information at a glance – thanks to the multi-colour LED display**



testo 316-1-EX – simply SAFE

Our professional instrument for the fuel gas sector and for increased safety requirements. Certified explosion-proof according to ATEX (EU/EFTA) thanks to explosion protection (EU). Additional functions such as fine mode and auto-identification of the typical gas groups make leak detection even easier. App integration for easy documentation.

Key benefits:

1. Multi-colour LED on sensor head (as well as audible alarm)
2. Flexible probe for locations that are difficult to access
3. Connection to **testo Smart App for documentation and PPM display**
4. **Rechargeable battery-powered**
5. **ATEX (EU/EFTA) certification**
6. **Expert functions: Fine mode for precise leak detection and auto-identification of the most common gases**



testo 316-2-EX – simply the ULTIMATE

The ultimate professional instrument featuring the world's first 2-in-1 sensor for gas fittings and heat pumps – perfect if you deal with fuel gases and refrigerants. Also offers all premium functions like 316-1-EX including Explosion-proof according to ATEX (EU/EFTA), fine mode and auto-identification of common gas types.

Key benefits:

1. Multi-colour LED on sensor head (as well as audible alarm)
2. Flexible probe for locations that are difficult to access
3. Connection to **testo Smart App for documentation and PPM display**
4. Rechargeable battery-powered
5. ATEX (EU/EFTA) certification
6. Expert functions: Fine mode for precise leak detection and auto-identification of the most common gases
7. **World's first 2-in-1 sensor for fuel gases and refrigerants (e.g. for heat pumps), for leak detection with no change of sensor**



When it comes to innovation, there's no alternative: The revolution in leak detection

An absolute triumph of efficiency – you can use the newly developed, world's first 2-in-1 sensor on the testo 316-2-EX to measure gas and refrigerant without having to change the sensor.

For industrial plants, there's no alternative: Reap large-scale benefits

Increase the efficiency of your burners and boilers thanks to optimal combustion with no loss of gas (leakage). This reduces your energy and costs – essential with rising raw material prices. Choose technologies from Testo and enjoy simple, paperless documentation via app.



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 easy connection to the testo Smart App
4. Precise detection of leaks using the expert function with fine mode



testo 316i

testo 316i gas leak detector with flexible probe, including battery

Order no. 0560 3161



Measuring instrument accessories	Order no.
Bag	0590 0018

Detectable gases:
 Methane / CH₄
 Propane / C₃H₈
 Hydrogen / H₂
 Butane / C₄H₁₀



Your key benefits

1. Multi-colour LED (visual and acoustic alarm)
2. Sensor self-test and automatic zeroing
3. Flexible probe for locations that are difficult to access
4. Battery-powered
5. Connection to testo Smart App for documentation and to read PPM values

testo 316-1

testo 316-1 gas leak detector with flexible probe, including bag and battery

Order no. 0560 3162



Pro kit

Everything the professional needs for testing gas pipes: in addition to the testo 324 leakage measuring instrument, including system case with feeding unit and other accessories, you get an infrared printer for measurement data documentation on site, along with the testo 316-1 gas leak detector.

Order no. 0563 3240 71



Your key benefits

1. Multi-colour LED (visual and acoustic alarm)
2. Sensor self-test and automatic zeroing
3. Flexible probe for locations that are difficult to access
4. Battery-powered

Detectable gases:
 Methane / CH₄
 Propane / C₃H₈
 Hydrogen / H₂
 Butane / C₄H₁₀



Measuring instrument accessories	Order no.
Bag (included with the testo 316-1)	0590 0018

testo 316-1-EX

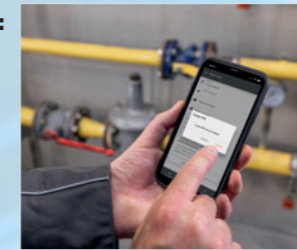
testo 316-1-EX gas leak detector with explosion protection, including bag and charger

Order no. 0560 3163



Measuring instrument accessories	Order no.
Bag (included with the testo 316-1-EX)	0590 0018

Detectable gases:
 Methane / CH₄
 Propane / C₃H₈
 Hydrogen / H₂
 Butane / C₄H₁₀



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 to read PPM values
4. Rechargeable battery-powered
5. ATEX (EU/EFTA) certification
6. Expert functions: Fine mode for precise leak detection and auto-identification of the most common gases

testo 316-2-EX

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.
Bag (included with the testo 316-2-EX)	0590 0018
Interchangeable sensor head	0393 3164

Detectable gases:
 Methane / CH₄
 Propane / C₃H₈
 Hydrogen / H₂
 Butane / C₄H₁₀

Refrigerant:
 R1234yf R290
 R134A R417A
 R404A R513A
 R407C R32
 R410A R449A
 R41234ze 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. Rechargeable battery-powered
5. ATEX (EU/EFTA) certification
6. Expert functions: Fine mode for precise leak detection and auto-identification of the most common gases
7. World's first 2-in-1 sensor for fuel gases and refrigerants (e.g. for heat pumps), for leak detection with no change of sensor

When it comes to smart apps, there's no alternative:



One app for all applications

Faster, easier, smarter: Our testo Smart App is the focal point of all activities. All heating applications can be managed using a smartphone or tablet – the perfect complement to our measuring instruments.

Making flue gas measurement simpler: the testo 300 NEXT LEVEL



NEW

For fast parallel measurements: The testo Smart Probes



115i 510i 915i

For efficient heat pump maintenance: Manifolds and scales



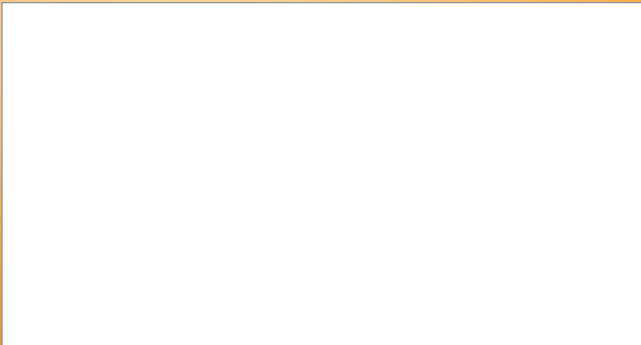
557s 560i

Revolutionizing leak detection: The new testo 316 series



NEW

For unbeatably high-precision thermography: Thermal imager testo 868s



Find out more