

Multi-purpose gas leak detector with explosion protection (ATEX)

testo 316-2-EX

Just one instrument for fuel gases and refrigerants (e.g. for heat pumps), without changing the sensor

ATEX (EU/EFTA) certification

Acoustic and visual alarm via multi-colour LED on the sensor head

Display of ppm / vol% / %LEL / g/a on the instrument

Connection to testo Smart App for display of readings and documentation

Sensor self-test and automatic zeroing

Fine mode for precise detection of leaks

Auto-identification of the most common gas types



Illustration may differ from original

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 protection (ATEX), fine mode and auto-identification of the most common gas types.

Key benefits:

1. Multi-colour LED (visual and acoustic alarm)
2. Flexible measuring probe for locations that are difficult to access
3. Connection to testo Smart App for documentation and ppm display
4. Rechargeable battery
5. ATEX certification (EU/EFTA)
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), for leak detection with no change of sensor

Technical data/accessories



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

Detectable gases:

Methane / CH₄
 Propane / C₃H₈
 Hydrogen / H₂
 Butane / C₄H₁₀
 Tracer gas (H₂)

Refrigerant:

R1234yf
 R134A
 R404A
 R407C
 R410A
 R41234ze
 R290
 R417A
 R513A
 R32
 R449A
 R22

Measurement parameters	ppm, vol.%, %LEL, g/a
Detectable gases	Methane, propane, hydrogen, butane, forming gas (H ₂)
Refrigerant	R1234yf, R134A, R404A, R407C, R410A, R1234ze, R290, R417A, R513A, R32, R449A, R22
Lower response threshold/measuring range	Methane (CH ₄): 1 ppm to 4.0 vol.% Propane (C ₃ H ₈): 1 ppm to 1.9 vol.% Hydrogen (H ₂): 1 ppm to 4.0 vol.% Butane (C ₄ H ₁₀): 1 ppm to 1.5 vol.% Refrigerant: lower response threshold (detection limit): 3 g/year
Resolution	1 ppm 0.01 VOL% 1% LEL
Response time	Response time < 2 sec
Leak alarm	3-colour LED on sensor head 3-colour display backlight Acoustic App

General technical data

Operating temperature	-5 to +50 °C
Operating humidity	0 to 80 %RH
Storage temperature	-20 to +50 °C
Charging temperature	-5 to +45 °C
Battery type	Rechargeable battery USB charger (standard) with connection via microB
Battery life	>10 h
Dimensions	150 x 66.5 x 37.5 mm (L x W x H) Length with gooseneck arm 545 mm
Weight	425 g
EX-protection	ATEX II 2 G Ex ib IIC T1 Gb