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Gas leak detector with explosion protection (ATEX)

testo 316-1-EX

ATEX certification (EU/EFTA)

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

Display of ppm / vol% / %LEL 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

CH_4

C_3H_8

H_2

C_4H_{10}

Illustration may differ from original

The professional instrument for the fuel gas sector and for increased safety requirements. Certified explosion-proof thanks to explosion protection (ATEX, EU/EFTA). 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 (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/%LEL display
4. ATEX certification (EU/EFTA)
5. Rechargable battery
6. Expert functions: Fine mode for precise leak detection and auto-identification of the most common gas types

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Technical data/accessories

testo 316-1-EX

Ex

testo 316-1-EX gas leak detector
with explosion protection (ATEX, EU/EFTA),
includes bag and charger

Order no. 0560 3163

Measuring instrument accessories	Order no.	
Bag	0590 0018	

Detectable gases:

Methane / CH_4

Propane / C_3H_8

Hydrogen / H_2

Butane / C_4H_{10}

Measurement parameters	ppm, vol %, % LEL
Detectable gases	Methane, propane, hydrogen, butane
Lower response threshold/measuring range	Methane (CH_4): 50 ppm to 4.0 vol.% Propane (C3H$_8$): 50 ppm to 1.9 vol.% Hydrogen (H_2): 50 ppm to 4.0 vol.% Butane (C_4H_{10}): 50 ppm to 1.5 vol.%
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