

# Gas leak detector with explosion protection (ATEX)

testo 316-1-EX

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ATEX certification (EU/EFTA)

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

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

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Connection to testo Smart App for display of readings and documentation

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Sensor self-test and automatic zeroing

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Fine mode for precise detection of leaks

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Auto-identification of the most common gas types

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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. Rechargeable battery
6. Expert functions: Fine mode for precise leak detection and auto-identification of the most common gas types

# Technical data/accessories



Measuring instrument accessories	Order no.
Bag 	0590 0018

### 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>

Measurement parameters	ppm, vol %, % LEL
Detectable gases	Methane, propane, hydrogen, butane
Lower response threshold/measuring range	Methane (CH <sub>4</sub> ): 50 ppm to 4.0 vol. % Propane (C <sub>3</sub> H <sub>8</sub> ): 50 ppm to 1.9 vol. % Hydrogen (H <sub>2</sub> ): 50 ppm to 4.0 vol. % Butane (C <sub>4</sub> H <sub>10</sub> ): 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

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Subject to change, including technical modifications.

