

Gas leak detector for explosive atmospheres

testo 316-EX

3 different types of gas can be detected:
methane, propane and hydrogen

Flexible probe for inaccessible areas

1 ppm resolution on display

Indicator suppression for comfortable locating of the leak

94/9/EG (ATEX) conform



When house owners notify the network operator or fitter that they can clearly smell gas in the house, a highly explosive gas concentration may already be present (4–17%). The fitter has to use a gas detector to check sections of gas pipes for leak tightness to locate possible leaks.


The testo 316-EX gas leak detector offers EU ATEX protection (ATEX approval 94/9/EC). Use the multi-range gas detector to detect methane, propane and hydrogen gases. The gas concentrations are measured in the ppm range with a semiconductor sensor and are shown on the display with a resolution of 1 ppm. Flexible measuring probes mean you can search for leaks even in inaccessible areas.

Order data

testo 316-EX

testo 316-EX, electronic gas leak detector with EX-protection, incl. batteries, cases, Allen key and calibration protocol

Part no. 0632 0336



Technical Data

Sensor types

	Methane	Propane	Hydrogen
Measuring range	1 ppm to 2.5 Vol. % CH ₄	1 ppm to 1.0 Vol. % C ₃ H ₈	1 ppm to 2.0 Vol. % H ₂
Trigger threshold	1 ppm	1 ppm	1 ppm
Resolution	1 ppm / 0,1 Vol. %	1 ppm / 0,1 Vol. %	1 ppm / 0,1 Vol. %

General technical data

Storage temperature	-10 to +50 °C
Operating temperature	-10 to +40 °C
Oper. humidity	20 to 80 %RH (not condensed)
Voltage supply	2 x 1,5 V (Mignon) / AA Type permitted for use in areas with danger of explosion: Camelion Plus Alkaline LR6 (see order data, order no. 0515 0316)
Battery life	to 10 h
t ₉₀	14 s

Weight	Approx. 200 g
Dimensions	135 x 45 x 25 mm
Protection class	IP54
EU guideline	94/9/EG (ATEX) 2004/108/EG
EX-protection	II 2G EEx ib IIC T1 (Ex Zone 1)

Accessories

Accessories for measuring instrument testo 316-EX	Part no.	
Spare battery Camelion Plus Alkaline LR6 (AA), 1.5 V / 2600 mAh	0515 0316	

