

# 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









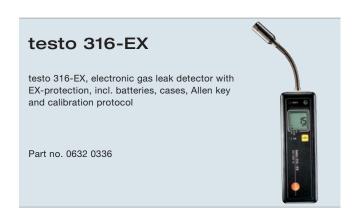


When house owners notify the network operator or fitter that they can clearly smell gas in the house, a highly explosive gas concentration may already be present (4–17%). The fitter has to use a gas detector to check sections of gas pipes for leak tightness to locate possible leaks.

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

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### Order data



# **Technical Data**

#### Sensor types

|                   | Methane                             | Propane   | Hydrogen                           |
|-------------------|-------------------------------------|---|------------------------------------|
| Measuring range   | 1 ppm to 2.5 Vol. % CH <sub>4</sub> | 1 ppm to 1.0 Vol. % C <sub>3</sub> H <sub>8</sub> | 1 ppm to 2.0 Vol. % H <sub>2</sub> |
| 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<br>Type permitted for use in areas with danger<br>of explosion: Camelion Plus Alkaline LR6<br>(see order data, order no. 0515 0316) |
| Battery life          | to 10 h   |
| t <sub>90</sub>       | 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 Spare battery Camelion Plus Alkaline LR6 (AA), 1.5 V / 2600 mAh 0515 0316

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