Art. 2198

Gas Detector

This instrument is one of the most advanced leak detection equipment for example Vehicles with gas-powered engines. It has the following functions:
- detects both methane and propane
- locates gas leaks in a quick manner
- calibrated automatically after power on
- power off automatically when not used (energy saving)
- short warm-up phase (60 seconds)
- response time is less than 10 seconds
- five LED steps to display gas concentration
- Over 440 mm long, flexible probe to measure gas concentrations
- headphone connection
- whisper mode selectable (sounds off)

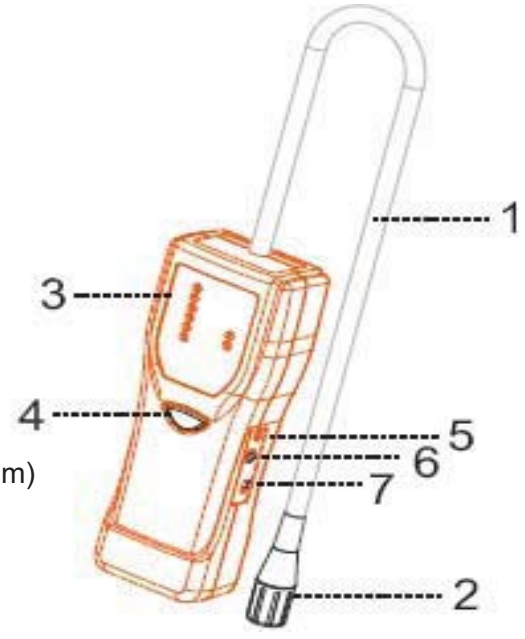
Specification

Probe: Semiconductors
Response time: <10 seconds
Warm up: <60 seconds
Operating temperature: -5 ° C to 45 ° C
Sleep mode: After 10 minutes without use
Power supply: 4x AA alkaline batteries
Battery life: 14 hours (without interruption)
Min voltage: 4.8 volts
Probe Length: 447 mm
Dimensions: 175 x 70 x 38 mm (HxWxD)
Display: alarm (acoustic) / LEDs (visual)
Measuring range from:
- Methane 120 - 1920 ppm
- Propane 40-640 ppm

Sensitivity:
- Propane 120 ppm
- Methane 40 ppm

Introduction

1. Flexible probe
2. Probe cap
3. LED row
4. ON / OFF switch
5. Headphone Jack (3.5mm)
6. Adapter port (4 mm outside / inside 1.3 mm)
7. Switch for whisper mode



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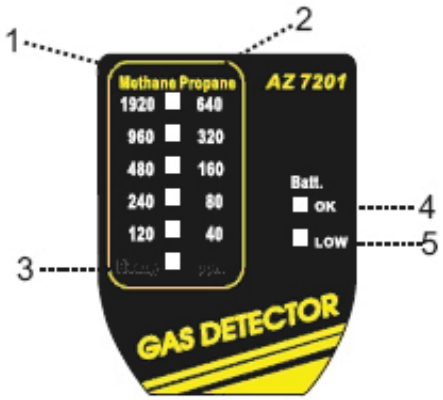
Display
1. Five-LED row (methane)
2. Five-LED row (propane)
3. Probe display (lit when probe ready)
4. On / Off indicator & battery status display for "OK"
5. LED for battery status "too low"



Operation

Switch on
Press On/Off switch of the device for longer than 2 seconds. If the device is on and the battery status is "OK", this is indicated by the LED No.4. To ensure accurate results, the warm up of device should be in a clear warm ambient air (<60 seconds).
The device will automatically turn off after 10 minutes of non use. The device can also turn off by pressing On/Off switch.

Warm-up status
The probe LED (No.3) don't lights when the device is switched on, but it is not yet up to operating temperature. The warm-up takes less than 60 seconds. The operating temperature is reached, when OK LED on the display lights.
While warming up a special compensation circuitry protects the device against deviations by a change in environment.
The unit must be re-heat after each turning on again.

Whisper
The unit will beep every second to indicate the correct operation of the device. The tone interval is shorter, the higher the existing gas concentration.
When using headphones, the device automatically switches to whisper. The sound can be heard only through headphones yet.
Even without headphones, the whisper mode can be used by the switch for the whisper.

Leak testing
To detect a gas leak in a gas line, proceed as follows:
Get closer to the probe of the gas line, insert the probe slowly along the gas line. Repeat this process on the opposite side of the gas line. If you approach a gas leak, the LED row will light and the alarm interval sounds shorter. The device requires at least two minutes, until another measurement process can be made.

Replace battery
If the battery warning light (# 5) for a low battery status lights, the battery must be replaced with a new one. Do this, remove the two Phillips screws on the back, remove the cover and replace the batteries.

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Diagnostics on the device
The unit does not power on
a) Have you pressed the On/Off switch for more than 2 seconds?
b) Check the batteries. Were they the right way used?
c) Replace the batteries with fresh batteries. Please try again.
The probe LED don not light after 60 seconds
a) Check whether the probe has a good contact. Should not change the condition of the unit, contact your dealer.

Important notes
1. If the device gets contact with silicone vapors, the sensor will be dirty. Avoid the use of the device where silicone vapors are present, where cleanser are used and where rubber is processed.
2. Avoid environments with a high concentration of corrosive gases such as H2S, SOx, CI2, HCI, etc. The device could otherwise corrode and the main line and the heating unit of the device could be damaged.
3. Measurement errors can occur when the probe is contaminated with alkaline metals or salt water vapor comes into contact.
4. Measurement errors can be caused by contact with water (spray).
5. If probe comes in contact with water, the measurement results be distorted.
6. The device works best at an ambient air with an oxygen content of 21%. The device does not work in an environment without oxygen or air with less than a 21%.
7. Slight condensation of the device if used in enclosed spaces should not be a problem. However, if condensation liquid collecting on the probe, the measurement results would be distorted.
8. With a longer exposure of the device with high-concentration gases - even if the device is switched off - in future the measurement can be distorted.
9. If the device is switched off for a long time, the probe could produce slight measurement inaccuracies (whichever is how the device has been stored). So the device should be stored in a sealed bag / bag of clean air.
10. Regardless of the power supply, the device will severely suffer if the probe extreme conditions such as humidity, high temperature, or prolonged contamination with gases for a long period will be suspended.

NOTE: If not using the meter for long time, the device needs a longer warm-up phase. You can switch it on from time to time, to avoid a long warm-up phase.

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EU-Konformitätserklärung

EC DECLARATION OF CONFORMITY
DÉCLARATION „CE“ DE CONFORMITE
DECLARATION DE CONFORMIDAD UE

Wir erklären in alleiniger Verantwortung, dass die Bauart der:
We declare that the following designated product:
Nous déclarons sous propre responsabilité que ce produit:
Declaramos bajo nuestra sola responsabilidad que este producto:

Gas-Leck-Detektor / Suchgerät (BGS Art. 2198)
Gas Leak Detector
Détecteur de fuite de gaz
Detector de gas

folgenden einschlägigen Bestimmungen entspricht:
complies with the requirements of the:
est en conformité avec les réglementations ci-dessous:
esta conforme a las normas:

EMC Council Directive 2004/108/EC

Angewandte Normen:
Identification of regulations/standards:
Norme appliquée:
Normas aplicadas:
EN 61326-1:2006
(CISPR11, IEC/EN 61000-3-2 (2006)),
IEC/EN 61000-3-3 (1995+A1:2001+A2:2005),
(IEC/EN 61000-4-2 (1995+A1:1998+A2:2001)
/-3 (2006) /-4(2004)
/-5(2006) /-6 (2007) /-11 (2004))
Certification/Test Report: W6R20808-9290-E-11/AZ 7201

Wermelskirchen, den 16.07.2014

ppa.
Frank Schottke, Prokurist

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CE-Erklärung