



## GS-133 Gas Detector - 12 V DC

The GS-130 detector is used to indicate leaking of combustible gases (**natural gas, methan, propane, butane, hydrogene**). The detector detects two levels of gas concentration - different output reactions.

○ [Declaration of conformity - GS-133 \(PDF 316.17 kB\)](#)

### Description

The main GS-133 features are: high reliability and sensitivity, compact size and long stability & lifetime.

### Technical specifications

#### Sensitivity:

	Methane	Propane
<b>Level 1</b>	10±3 % LEL (0.44 % vol. conc.)	18±3 % LEL (0.30% vol. conc.)
<b>Level 2</b>	18±3 % LEL (0.80 % vol. conc.)	30±3 % LEL (0.50% vol. conc.)
	Iso-butane	Hydrogene
<b>Level 1</b>	23±3 % LEL (0.30 % vol. conc.)	9±3% LEL (0,36 % vol. conc.)
<b>Level 2</b>	40±3 % LEL (0.50% vol. conc.)	16±3% LEL (0,66 % vol. conc.)

LEL = Lower Explosive Limit (100 %) according to EN 60079-20-1: for methane 4,4 % vol. conc., for propane 1,7 % vol. conc., for iso-butane 1,3 % vol. conc., for hydrogen 4,1 % vol. conc., calibrated by iso-butane

#### Devices according to

EN 50194-1, cl.1 type A

#### Power supply

12 V DC ± 20 %

#### Power consumption

100 mA (150 mA when relay is activated)

#### Detection method

hot platinum filament

#### Buzzer sound level

94 dB/0.3 m

#### Relay output

optional for 1st or 2nd level, max. 24 V AC / 2 A

<b>Alarm memory</b>	selectable
<b>Response time</b>	20 s
<b>Warm up time</b>	approximately 90 s
<b>Working environment</b>	indoor use, -10 to +40°C, IP32D
<b>Working humidity</b>	max 80 %
<b>Designed to operate</b>	at normal atmospheric pressure 86 to 106 kPa
<b>Equipment according to</b>	EN 50194-1 type A
<b>Complies with</b>	EN 60079-29-1, EN 50130-4, EN, 50270, EN 55032, EN 62368-1. EN 50581
<b>For non-explosive areas</b>	
<b>Certified by FTZÚ, certificated body No. 3051</b>	