

## Gas detector GS-133



- **Detector GS-133 serves to indicate leaking of flammable gases.**
- Detector detects all types of flammable gases ( Natural Gas, Methane, Propane, Butene, Acetylene, Hydrogen, etc.)and reacts in two levels of concentration.
- Characteristic features of GS-133 are high stability and sensitivity, long life and small dimensions.
- Device signalizes leaking of the gas optical and acoustical way. It is as well equipped by output relay with selectable function.

### Technical parameters:

Supply voltage/current:	12 V DC $\pm$ 20% /150 mA
Tone signalling:	94 dB / 0.3 m
Relay output:	250 V / 5 A (selectable reaction to 1. or 2. level)
Output type:	changeover contact max. 230 V / 5A
Operation temperature:	-10 °C to +40 °C
Relative humidity:	25% - 75%
Storage temperature:	-20°C to +50° C
Time of stabilisation:	60 s
Warm-up time in clean air:	60 s
Warm-up time in standard calibration gas:	60 s
Latency:	max. 10 s
Detection method:	catalytic burning
Protection degree:	IP 30 ( ČSN EN 60 529 )
Recommended cable size:	1,5 mm <sup>2</sup>
Installation:	level surface mounting
Dimensions:	100 x 70 x 39 mm
Weight:	112 g

Constructed for operation in common atmospheric pressures ( 86-10 kPa)

Designed for environment without noted danger - BE 1 (EN 2000-3)

Protection against injury by el. current – device with protection class II (EN 330600)

Complies with EN 60335-1

### Sensitivity

	Methane:	ISO-Butane:
I. level :	10 $\pm$ 2% DMV (0,44% methane)	15 $\pm$ 3% DMV (0,20% ISO-butane)
II. level :	17 $\pm$ 3% DMV (0,75% methane)	30 $\pm$ 3% DMV (0,39% ISO-butane)

rem. DMV = lower limit of explosibility, all calibrated by ISO-butane