

# G300

## Gas leak detector for smallest Leakages

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Small, light and robust

Reliable monitoring of combustible gases or refrigerants  
(e.g. ammonia)

More than 8 hours continuous operation

Flexible and cost-effective

Long lifetime

**Worldwide Supplier of Gas Detection Solutions**



# G300 – Pinpointing smallest leakages

## Small, light and robust

Smallest leakages can release a large amount of gas with heavy consequential damages. By checking flange, screw and soldered joints regularly, the risk of gas leakages will be decreased. The G300 is the specialist in accurate detection of leakages. If high concentrations arise in the room during detection the G300 warns with a bar graph.

## Clear and simple display and warning

Changing gas concentrations are indicated audibly and visually. The frequency of the audible warning changes with approximation and removal. Leakages will be reliably pinpointed even in huge piping systems.

## Simple control

Just one key stroke is necessary to operate the G300. With the rechargeable battery-pack the G300 II can operate more than 8 hours.

## Detection range: from min. ... to max.

The G300 reacts to concentrations as small as 5 ppm and measures up to 10,000 ppm (= 1 % Vol.). The G300 provides several audible and visual detection range indicators. Simply push a button to switch from one range to the other.

This allows a successful detection even in gas contaminated areas.

## Sniffing around corners

The gooseneck – a flexible conduit – can be pushed into close slots and gaps. The flexibility allows to find gas leakages even beyond corners.

## Long lifetime

The G300 operates with the chemosorption principle. It is characterized by a short warm-up time and a long lifetime. The zero point adjustment is performed automatically after key stroke.

## 2 versions: G300 II and G300 III

The G300 II set contains: Sensor, gooseneck, helix-cable, charger. The flexible



helix-cable allows to carry the G300 II in the pocket to watch out for leakages with only the sensor in one hand. A combination of gooseneck and helix-cable gives you access to far away spots. Both the sensor and the extensions can be mounted without tools.

The G300 III is a low cost leak detector for combustible gases only. The sensor is integrated in the gooseneck that is fixed to the robust detector.

## G300 – Technical Data

### Detection principle

Chemosorption

### Gas

Combustible gases and vapors and Ammonia (NH<sub>3</sub>)

### Detection range

5 to 10.000 ppm CH<sub>4</sub>  
5 to 1.000 ppm NH<sub>3</sub>  
other gases on request

### Gas supply

Diffusion

### Response time

Less than 3 seconds

### Temperature range

- 20 to + 50°C  
(-4 to +131°F)

### Humidity

20 to 99 % r.h.(non-condensing)

### Power supply

Rechargeable battery pack (G300 II) or 4 batteries type AA (G300 III)

### Operation time

More than 8 hours continuous operation

### Casing

Polyamide – IP 54 protection from splash water

### Weight

Approx. 350 g (12.25 oz)

### Dimensions

60 x 120 x 35 mm (WxHxD)  
(2.4 x 4.8 x 1.4 inches)

### Alarms

Audible and visual

### Approvals

Ex s IIC T6 (G300 II)

### G300 II



### G300 III



### Accessories

#### Flexible gooseneck

Ex-proof, 30 cm (12 inches)

#### Flexible helix cable

Ex-proof 30 to 90 cm (12 to 35 inches)

#### Transport case

for G300 II and accessories

#### Leather case with carrying strap

#### Charger

Plug-in charger 230 V

Universal charger 230 V / 50 Hz  
(standard/trickle charge)

Universal charger for cars, 12/24 V  
(trickle/standard charge)

Universal charger 115 V / 50 Hz  
(standard/trickle charge)

Vehicle DC adapter with function LED (2m)



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