

# G300 Series

## Portable Leak Detector



- Small, light, and durable leak detector
- For combustible gases and ammonia
- More than 8 hours of continuous operation
- Explosion-proof models available

# Pinpoint the Smallest Leaks

Small leaks in pipes or storage tanks can release enough gas to build up dangerous concentrations. The careful inspection of flanged, threaded and soldered connections before and after installation will ensure equipment and worker safety. The G300 leak detector will make leakage sprays a thing of the past.

## Clear and simple displays and warnings

Changing gas concentrations are indicated audibly and visually. The frequency of the audible warning rises with gas concentrations, allowing the user to pinpoint leaks. The bar graph display will warn the user if dangerous gas concentrations arise.

## Light, compact and durable

Designed for one-handed operation, the G300 reacts to concentrations as small as 5 ppm and measures up to more than 10,000 ppm or 1% volume. The sensor is located at the end of a flexible gooseneck or a helix cable to allow the user to reach difficult or unreachable locations. The G300 is available with or without explosion protection for ammonia and combustible gases. The G311 operates on four "AA" alkaline batteries. All others have a rechargeable battery with run times of more than eight hours.



# G300 II, G300 II TOX Technical Data

### Gases

Ammonia, (NH<sub>3</sub>)  
Methane (CH<sub>4</sub>) (natural gas)  
(other gases on request)

### Detection range

CH<sub>4</sub> (O) 5-10,000 ppm  
NH<sub>3</sub> (O) 5-1,000 ppm

### Detection principle

Chemosorption

### Gas supply

Diffusion

### Response time

Less than 3 seconds

### Temperature range

-4 to +122°F / -20 to +50°C

### Humidity range

20 to 99% r. h., non-condensing

### Sensor life

Approximately 5 to 10 years

### Power supply

G300 II rechargeable battery pack  
G300 III alkaline AA batteries

### Operational time

Greater than 8 hours continuous operation

### Casing

Polyamide - IP 53

### Ordering information

#### Explosion-proof

G300 II CH <sub>4</sub>	1316012
G300 II NH <sub>3</sub>	1316014

#### Non-explosion-proof

G300 II type G 311-CH <sub>4</sub>	1316009
G300 II type G 313-CH <sub>4</sub>	1316002
G300 II type G 315-NH <sub>3</sub>	1316004

### Weight

12.25 ounces (350 grams)

### Dimensions

4.7x2.4x1.4 inches (120x60x35 mm) (HxWxD)

### Certification and approvals (intrinsic safety)

ATEX EEx s IIC T6

*Specifications subject to change without notification*

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