# GPD 3010 Ex

Gas leak detector

Gas & refrigerants · Ex zones 1 and 2

## One sensor. Gas and refrigerants.

Leak detection on gas pipes, heat pumps and refrigeration systems – approved for Ex zones 1 and 2.

Item no. SZ-G00.310

**Combustible gases**
natural gas, propane, hydrogen

**Approved for Ex zone 1**
and **Ex zone 2**

**Refrigerants**
no sensor change

**ATEX II 2G Ex ib IIC T4 Gb**
SEV 21 ATEX 0555

Up to **16 h**
operating time

**$H_2$-ready**
for the hydrogen transition




SERVICE

**Calibration service by bhs**

## Your benefits

- Combustible gases and refrigerants with one sensor
- Ex zones 1 and 2, including hydrogen (IIC)
- R290 leak detection on heat pumps
- Detection threshold 1 ppm, response in 2 s
- Graphic display with bar graph and digital reading
- Simple one-button operation
- First annual service free of charge (voucher)
- 2-year manufacturer warranty

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# GPD 3010 Ex

Gas leak detector



The GPD 3010 Ex by Schütz Messtechnik locates leaks on gas pipes, heat pumps and refrigeration systems – with one sensor and no sensor change. With the gas type propane you also find R290 leaks.

Approved for Ex zones 1 and 2 in gas group IIC, so also for hydrogen. Developed and manufactured in Germany.

## Gas types and measuring ranges

| Gas | Formula | Measuring range | End of range |
|---|---|---|---|
| Methane (natural gas) | $CH_4$ | 0 ppm – 2.4 vol.% | ≈ 50 % LEL |
| Propane (R290, LPG) | $C_3H_8$ | 0 ppm – 1.0 vol.% | 50 % LEL |
| Hydrogen | $H_2$ | 0 ppm – 2.0 vol.% | 50 % LEL |
| Butane / ethane | $C_4H_{10}$ / $C_2H_6$ | 0 ppm – 0.7 / 1.2 vol.% | 50 % LEL |
| Synthetic refrigerants* | R1234yf · R134a · R32 | Leak detection | – |
| Natural refrigerants* | R290 · R600 · R600a · R1270 · R170 | Leak detection | – |

Calibrated to methane – all other gas types are converted (not selective). Leak detector for locating leaks, not a personal gas monitor. * according to the manufacturer.

## Technical data

| | |
|---|---|
| Item number | SZ-G00.310 |
| Sensor | Gas-sensitive semiconductor |
| Calibration | Methane, correction factors |
| Tolerance $CH_4$ at 20–50 % RH | 100 ppm: −50/+150 ppm<br>1 vol.%: ±0.1 vol.% |
| Sensitivity | 1 ppm, response 2 s |
| Resolution | 1 ppm / from 0.1 vol.% |
| Display | Graphic LCD, backlit |
| Alarm | LED + tone, adjustable |

| | |
|---|---|
| Ex protection | II 2G Ex ib IIC T4 Gb (NiMH T3) |
| Ex zone | 1 and 2 |
| Certificate | SEV 21 ATEX 0555 |
| Power supply | 2 × AA, up to 16 h |
| Protection class | IP53 |
| Temperature | −20 °C to +50 °C |
| Dimensions | 160 × 41 × 29 mm |
| Weight | approx. 180 g w/o batteries |
| Gooseneck | 180 mm, flexible |

## Scope of delivery and accessories

- GPD 3010 Ex
- Plastic case, 2 AA batteries
- Operating manual, certificate
- Voucher 1st annual service



**Leatherette pouch**
with belt clip



**Charger**
for NiMH batteries

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