

EXOTECTOR® G 600

for measuring of explosive gases



Up to three detection ranges in one instrument

Robust and reliable

Ex-proof and function tested

Available for all combustible gases

Analog display for easy reading

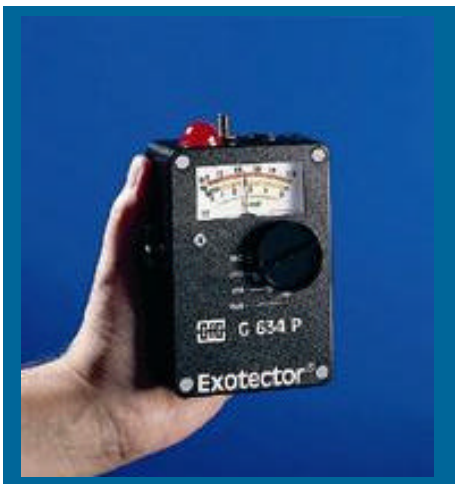
Worldwide Supplier of Gas Detection Solutions



Explosion hazards under control

Most combustible gases are imperceptible to human senses. An explosive environment exists when combustible gases or vapours reach dangerous concentrations. With the built-in pump samples can be taken out of inaccessible areas.

In case of a gas outbreak the EXOTECTOR will give a loud audible and visual alarm long before the air-gas mixture has reached a dangerous concentration.



Advantageous analog display

The EXOTECTOR has an analog display with coloured areas for gas concentrations that can lead to explosion dangers. With this display you recognize a dangerous concentration at a glance, without being familiar with the threshold values of the respective gases. Fluctuations are easily recognized by the indicator deflection. The alarm threshold is freely adjustable. Moreover, the alarm can be set as latching or non-latching.

Small and durable with proven technique

The shock resistant and anti-static casing protects the sensor and electronic. This guarantees proper functioning even in harsh environments. With Ex-protection Ex is G 5 the EXOTECTOR can be operated in explosion-endangered areas. GfG's sensors are more poison resistant and can be operated in areas where most other sensors fail.

Three detection ranges

The EXOTECTOR is available for all common combustible gases. The



combination of two detection principles (catalytic combustion and thermal conductivity) allows for tracking of extremely small amounts of gas. It can monitor in the LEL-range for safe alarm of explosion dangers and detect up to 100 % Vol. The EXOTECTOR can be used for measurement in pipelines and underground tubing applications. As the EXOTECTOR's thermal conductivity sensor shows only a minimal cross sensitivity for CO₂, this instrument is suitable for measurement of methane with high CO₂-content.

Exotector G 600

Gas

Explosive gases e.g. methane, propane, butane or hydrogen (other gases on request)

Range

0 .. 100 Vol. %
0 .. 5 Vol. %
0 .. 100 % LEL
0 .. 8000 ppm (micro range)

Detection principle

Catalytic combustion,
thermal conductivity

Gas supply

Diffusion and built-in pump

Response time

T₉₀ < 10 seconds

Temperature

- 20 .. +55°C
(-4 to +131°F)

Casing

Antistatic, shock resistant

Power supply

Rechargeable battery pack

Operation time

> 10 hours permanent operation with interval usage of pump

Alarm

Visual: 1 LED, 360° visible,
permanent light
Audible: Piezoelectric buzzer,
permanent tone

Performance of pump

For up to 10 m sampling hose
0.25 .. 0.5 l/m, 10000 Pa

Dimensions

90 x 130 x 45 mm (WxHxD)
(3.6 x 5.2 x 1.8 inches)

Weight

Approx. 800 g
(28 oz)

Function test

PFG/IBK-No. 41301191

Technical Data

Ex-approval

(Ex) is G5 / BVS T6725,
plus additional international certificates

Alarm thresholds

One alarm threshold, freely adjustable
between 0.3 .. 5 Vol. %, latching or non-
latching (pre-set to 1 Vol. % / 20% LEL)

Accessories

Part-no.

- 1600211 Universal charger 230 V,
standard/trickle charge
- 1600204 5-point charger 230 V,
standard/trickle charge
- 1600212 Universal charger for cars,
12/24 V, standard/trickle charge
- 1600213 Universal charger 110 V,
standard/trickle charge
- 1600214 Charging cable
- 1600209 Leather case
- 1000202 Carrying strap for leather case
- 1000201 Carrying strap for leather case,
with probe holder
- 1000205 Telescopic probe CrNi, 1.36 m
- 1000206 Telescopic probe CrNi, 7.92 m

We reserve the right of modification



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