



C_2H_5OH
 C_2H_6
 C_3H_8
 C_4H_{10}
 C_5H_{12}
 C_6H_{14}
 CH_4
 C_7H_{16}
 C_2H_4
 C_3H_6

Gas-Tec MK4 FID

Hydrocarbon gas detector for leak surveying and localisation



Gas-Tec Mk4 FID

The Gas-Tec offers outstanding performance and reliability for detecting hydrocarbon gases at very low concentration levels. Using Flame Ionisation Detection (FID) technology, the Gas-Tec is the benchmark for quick and cost-effective gas leak detection.

Gas-Tec is simple to use, easily transported to difficult to reach locations and is able to detect gas leaks in less than 2 seconds. When vehicle mounted on to the optional Trigger unit, Gas-Tec converts to a high speed survey instrument capable of operating at up to 30 km/h. With over 5,500 units sold to gas utilities worldwide, Gas-Tec has been proven to reduce leakage and shrinkage from gas distribution networks and will demonstrate a quick return on your investment.



Flame Ionisation Detector

- Measures hydrocarbon leaks from 1 to 10,000ppm.
- Extended range to 100,000ppm with optional range extender.
- Response time of less than 2 seconds.
- Proven FID technology for reliability and speed.
- Optional Trigger Survey Unit for high speed vehicle surveys.
- Manufactured in the UK.

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The Mk4 Gas-Tec flame ionisation detector offers ppm level detection on a tried and tested detection method that makes surveying easy and cost effective.



Additional Features

- Robust design with shoulder strap
- Quick fasten probes and accessories
- Easy to reach around pipe work, flanges and other hard to reach areas,
- Highly portable at only 3.7kg

Standard Accessories Included

- Robust ABS hard carry case
- Angled probe assembly
- Carry strap
- Mains charger
- Refillable hydrogen cylinder
- Particle and hydrophobic filters
- Din socket for charging and data logging connection
- User guide
- Calibration certificate

Gas-Tec Accessories:

- **Trigger Survey Kit:** in-vehicle leak survey tool allowing detection up to 30km/hr.
- **Earphones:** allow users to hear alarms in noisy areas and traffic.
- **Spare H₂ Cylinders:** offer extended usage in the field and reduce the need for regular refills.
- **Probe Assemblies:** suitable for all applications. Bore hole, straight probe, cup attachment and detection trolley.
- **Vehicle Charger:** allowing on the move charging to maintain battery levels between surveys.

Specifications:

Description	Hydrocarbon gas detector
Sensor	Flame Ionisation Detection (FID)
Gas	Calibrated to Methane (CH ₄) Other correction factors available
Range	0 – 10,000 ppm 0 - 100,000 ppm (with optional range extender)
Accuracy	+/- 10%
Response time	<2 seconds
Hydrogen cylinder life	UK & EU 400ml = 60hrs EU 100ml = 15 hrs USA 300ml = 45hrs
Range 1	0 - 1,000ppm
Range 2	0 - 10,000ppm
Size	330 x 120 x 230mm (L x W x H)
Weight	3.7kg (with cylinder)
Display type	Analogue with user selectable ranges
Display range 1	0 - 1,000ppm
Display range 2	0 - 10,000ppm
Battery display	Analogue display with low level alarm
Hydrogen display	Pressure dial for hydrogen cylinder level
Flow	Integrated flow meter with user control
Audible alarm	Geiger counter click with rising crescendo alarm
Alarm frequency	1Hz tick at 0ppm rising to 3KHz (maximum reading)
Flame alarm	"Flame Out" warning with tilt switch activation
Battery type	Rechargeable Lead Acid
Battery life	Up to 15 hours
Outputs	Headphone socket and Din socket for data output
Calibration period	Recommended every 6 months
Warranty	12 months against faulty components or manufacture



Gas & Environmental Services Ltd
 Units 1 & 3 Little Ridge Industrial Estate
 Welwyn Garden City
 Hertfordshire, AL7 2BH, UK
 Tel: +44 (0) 1707 373751
 Fax: +44 (0) 1707 373752
 Email: sales@gesuk.com

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www.gesuk.com