



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

Hydrocarbon gas detector
for leak survey and localisation



Gas-Tec

Gas-Tec is a portable gas detector for rapid survey and leak localisation. GPS, data and event logging allow survey teams to track progress and pinpoint areas of significant interest.

Gas-Tec is worn over the shoulder and has a wide range of probes and accessories for all applications.

Flame Ionisation Detector offering ppm level indication

- Based on the tried, tested and trusted Gas-Tec engine
- Simple and intuitive functionality utilising LCD and softkey technology
- Rechargeable Li-Ion battery offers more than 22 hours operation
- Enhanced electronic controls reduce hydrogen usage
- Full data and event logging with simple drag and drop download
- GPS logging for accurate location report of leaks.



Gas-Tec is the next generation of flame ionisation detection. Offering users enhanced technology, Gas-Tec is the unique surveying solution.

GPS: Enhances record keeping by assigning latitude, longitude and sea level to data readings. Users are also able to view the current location, offering the precise location to back-up crews for immediate leak management.

Data and event logging: Gas-Tec allows users the ability to download full survey information via the 'drag and drop' USB interface for survey traceability.

Intuitive functionality: LCD and soft keys offering full sequence instruction, in-operation options, service and calibration set-up and alerts.

Tried and tested: Based around the original Gas-Tec 'engine' detection method. The next generation is therefore already proven, fit for purpose and suited to the trials of every day use.

Rugged and reliable: Ingress protected to IP54 for everyday use in all weather conditions.

Enhanced electronic controls: Offering extended battery and cylinder life. Pressure and flow transducers manage H₂ and sample flow rates.

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.

Gas-Tec is supplied as standard in a wheeled ABS case with fitted foam insert.

Specifications:	
Description	Hydrocarbon gas detector
Sensor	Flame Ionisation Detection (FID)
Gas	Calibrated to Methane (CH ₄) Other correction factors available
Range	0 – 100 ppm 0 – 1000 ppm 0 – 10,000 ppm
Accuracy	+/- 10%
Response time	<2 seconds
Hydrogen cylinder life	UK & EU 400ml = 45 hrs EU 100ml = 11 hrs USA 300ml = 33 hrs
Case	High impact and UV resistant glass reinforced nylon
Size	385 x 205 x 125 mm (15.2 x 8 x 5 Inches)
Weight	2.4kg without bottle (5.3lb)
Ingress protection	IP54
Audible alarm	Rising tick increasing with presence of gas
Visual alarms	On LCD indication of status
Backlight	Adjustable intensity and time off delay
Battery type	Rechargeable Lithium-ion
Battery life	22 hrs
Recharge time	2.5 hrs
Operating temperature range	-5°C to +55°C (23°F to 131°F)
Humidity	20 to 95% RH non-condensing
Sample input	Via quick connect filtered coupling
Outputs	Headphone, USB and Trigger sockets
Data / Event / GPS logging	21 million log entries giving over 700 days logging activity (assuming logging at 1 second intervals over an 8 hour shift)
GPS	Accurate to within 10m with 5 satellite lock
EMC & approvals	EN50270 & EN50271:2002
Industry approvals	FCC and CE marked
Calibration period	Recommended every 6 months
Warranty	12 months against faulty components or manufacture

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Crowcon reserves the right to change the design or specification of the product without notice.



CROWCON
Gas Detection You Can Trust

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