Gases and ranges

Gas	Range	Resolution
Oxygen (O_2)	0-25% vol	0.1% vol
Methane	0-100% LEL / 0 - 100% vol	1% LEL / 1% vol
Propane	0-100% LEL / 0 - 100% vol	1% LEL / 1% vol
Butane	0-100% LEL / 0 - 100% vol	1% LEL / 1% vol
Hydrogen Sulphide (H_2S)	0 -100ppm 0 - 1000ppm	1ppm
Carbon Monoxide (CO)	0 - 500ppm 0 - 2000ppm 0 - 2000ppm (H_2 filtered)	1ppm

Specification

Size		43 x 130 x 84mm (1.7 x 5.1 x 3.3in)
Weight		340 g (11.9 oz)
Alarms	Audible	95 db
	Vibrating	Integrated
	Visible	Red and Blue LEDs
Display		Bright top mounted display can be viewed while worn
Logging	Data	125h data @ 10s intervals
	Events	1000
Battery	Rechargeable Li-ion battery	13 hour typical runtime (4 sensors, pump running) 7.5 hour recharge
Sampling		Internal pump with 30m draw
Environment	Operating temperature	-20 to +55°C (-4°F to +131°F)*
	Humidity	10-95% RH non-condensing
	Ingress protection	Independently tested to IP65 and IP67
Compliance		EMC 2014/30/EU ATEX 2014/34/EU Marine Equipment Directive 2014/90 EU MED1500009
Approvals	ATEX	Ex II 2 G Ex db ia IIC T4 Gb Tamb -20°C to +55°C
	IECEx	Ex db ia IIC T4 Gb Tamb -20°C to +55°C
	UL	UL: Class 1 Div 1, Groups A, B, C, D, UL 913, UL 60079-0 and UL 60079-11
	INMETRO	Ex db ia IIC T4 Ga Tamb -20°C to +55°C
Accessories included		Integrated Alligator clip and tethering loop Calibration plate

* The CO, H_2S and O_2 sensors are not rated for continuous operation at high temperatures.
Consult Crowcon if operating temperatures are likely to exceed 50°C (122°F) for extended periods.

CROWCON
Detecting Gas Saving Lives

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CROWCON
Detecting Gas Saving Lives

Gas-Pro TK

Specialised Personal Tank Monitor with Dual Range Sensor

Powerful

Flexible

Professional

Gas-Pro TK

The Tank Gas Specialist

Hydrocarbons stored in inerted environments create a particular flammable gas detection challenge, whether during transport at sea or storage on shore. Gas-Pro TK dual range portable monitor is designed for use in this specialist environment where standard gas detectors just won't work whether tank purging or gas freeing.

Tank check functionality summary

Tank specialist	Designed to perform in the challenging inerted tank environments
Dual IR sensor	Detects the spectrum of possible flammable gas concentrations from high %vol to low %LEL. Auto-ranges, switching between %LEL and %vol as gas concentration demands. Notifies you of auto-ranging as it happens
Monitors oxygen	Know when it's safe to load fuel Know when it's safe for operators to enter
High H_2S sensor option	Understand possible risks if gases vent during purging helps inform you of potential risk from pyrophores
Alarms disabled in tank mode	High gas levels are to be expected, so alarms can be misleading and annoying
Automatic flow plate recognition	Integrated pump turns on as soon as the flow plate is applied Tank samples can be drawn from up to 30m

Safety

Mode indication	Clearly indicated when in Tank Check mode, avoiding potential confusion
Confirmed alarm status	In Tank Check mode, alarms are disabled. You must acknowledge this before you can proceed
Simple single button operation	Simple one-handed operation Easy to learn and remember Easy to use while wearing gloves
Light	At 340g, it is light enough to clip to your belt, overalls, or a Gas-Pro harness, so it's easy for the technician to keep with them during their working day
Black	Part of the Gas-Pro range of detectors, Gas-Pro TK units are black to avoid any possible confusion

Personal monitor functional summary

Personal gas detector	Gas-Pro TK has full Gas-Pro functionality, so can double up as a personal detector, as required Full range of alarms are enabled: audible (>95dB); visual (red and blue flashing LED; tactile (vibrating)
Confined space pre-entry check function	Assists you through the pre-entry check process

Further gas types will be available - contact Crowcon with your requests.

Personal protection monitor

Gas-Pro TK is an extension of the Crowcon Gas-Pro range. Therefore, in addition to its superb Tank Check capabilities, it also offers the full personal gas detection and confined space pre-entry check functionalities provided by other Gas-Pro units. Gas-Pro TK units are black, so you can easily tell them apart form other Gas-Pro in your detector fleet.

As an additional, important safety feature, before it can be returned to Tank Check mode, Gas-Pro TK demands confirmation that the user understands that by doing so, they have disabled the alarms.

Disclaimer

Every effort has been made to ensure the accuracy of this document at the time of printing. In accordance with the company's policy of continued product improvement Crowcon Detection Instruments Limited reserves the right to make product changes without notice. The products are routinely subject to a programme of testing which may result in some changes in the characteristics quoted. Technical information contained in this document or otherwise provided by Crowcon are based upon records, tests, or experience that the company believes to be reliable, but the accuracy, completeness, and representative nature of such information is not guaranteed.

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As the products may be used by the client in circumstances beyond the knowledge and control of Crowcon Detection Instruments Limited, we cannot determine the relevance of these to an individual customer's application. It is the clients' sole responsibility to carry out the necessary tests to evaluate the usefulness of the products and review all applicable regulations and standards to ensure their safety of operation in a particular application.