CROWCON
Detecting Gas Saving Lives

T4

Now with improved detection of pentane and hexane

Portable Multigas Detector

- Carbon monoxide
- Hydrogen sulphide
- Oxygen
- Flammable gases

T4

Portable Multigas Detector

When lives and property are at risk and you need gas detection equipment that is totally reliable, you need Crowcon. For over 45 years Crowcon has been developing and manufacturing high quality products with a reputation for reliability and technical innovation.

Crowcon provide both single gas and multigas monitors for personal monitoring and portable safety applications, providing protection against a wide range of industrial gas hazards. Models vary, but it is Crowcon's philosophy that each should be properly suited to its task.

Choosing the portable gas detector for your needs

T4 integrates innovative safety features and an intuitive, rugged design to provide advanced protection for those working in harsh environments. This portable multigas detector, which is exceptionally easy to use and service, protects against the four most prevalent gas hazards: **carbon monoxide** (CO), **hydrogen sulphide** (H_2S), **flammable** gases and **oxygen** (O_2) depletion.

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Confidence, however you look at it

T4 contains a wide range of features to make everyday use easier and safer:

TWA Resume function
Unique to T4, this innovative feature ensures toxic gas exposure is calculated accurately over an entire shift, even if T4 is switched off for a break or during travel to another site.

18 hour battery life
Safely work multiple or longer shifts between charges, covered by the 18 hour battery life.

Backlit display
Large, clear display with backlight and option to flip the screen 180° for easy viewing whilst worn.

Rugged design
With a thick anti-shock rubber casing and drop tested to 4 metres on concrete, T4 provides dependable operation under the most demanding use. Water & dust resistant to IP65 & IP67.

Positive Safety indicator
A simple 'traffic light' status indicator which, at a glance, provides visual assurance of operational and compliance status to both users and supervisors.

Green light - Working safely

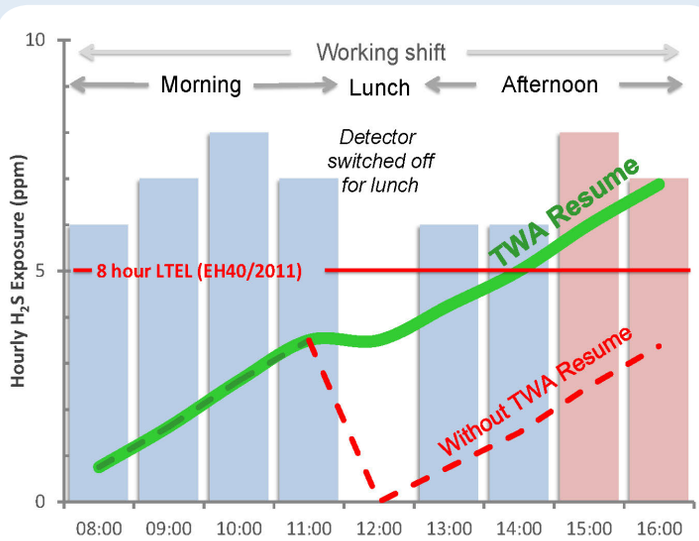
Red light - Attention required

Intrinsically safe
ATEX approved and UL Class 1 Div 1 for operation in a wide range of hazardous environments.

Dedicated sensors
One sensor for every gas ensures effective, fast and reliable detection.

Multiple alarms
Audible 95dB alarm, bright red/blue LED's and vibrating alerts provide effective warning to gas hazards.

Easy operation
Large single button and intuitive menu system minimise training and allow easy operation whilst wearing gloves.



TWA Resume

TWA Resume* ensures time weighted average (TWA) toxic gas exposure is calculated accurately over an entire work shift.

The red line on the graph shows workers with other detectors risking overexposure to hydrogen sulphide (H_2S) by switching their detector off for a lunch break.

Only T4 provides the option to include previous measurements in the calculation when you switch your detector back on again and so prevent you exceeding your exposure limit. Because of TWA Resume (green line), T4 alarms at 14:00 when their 8 hour TWA reaches 5ppm.

* Patent pending - UK patent application number 1501699.1

Product Specification

Size		135 x 80 x 35mm (5.3 x 3.1 x 1.4in)
Weight		282g (9.9oz)
Durability		Drop tested 4m onto concrete
Alarms	**Audible** **Vibrating** **Visible**	95dB Integrated Bright red & blue LED's
Display		Front mounted, backlit, 180° flip for easy viewing while worn
Logging	**Data** **Events**	130 hours of data at 10s intervals 3,500
Battery	**Rechargeable Li-ion**	Up to 18 hour runtime; 5.5 hour recharge
Environment	**Operating temp** **Humidity** **Ingress protection**	-20 to +55°C (-4°F to +131°F)* 10-95% RH @ 40°C non-condensing Independently tested to IP65 and IP67
Compliance	**EMC**	Directive 2014/30/EU
Approvals	**ATEX** **IECEx** **UL** **INMETRO** **MED**	Ex II 2 G Ex d ia IIC T4 Gb T_{amb} -20°C to +55°C Ex d ia IIC T4 Gb T_{amb} -20°C to +55°C Use in hazardous locations Class 1 Div 1 groups A,B,C,D only as to intrinsic safety Ex d ia IIC T4 Gb T_{amb} -20°C to +55°C ⚙
Accessories	**Included with T4**	Integrated alligator clip and tethering loop Bump/calibration plate
	Available separately	Single unit cradle charger; 10 unit cradle charger; Vehicle charger Clip on dust filter plate I-Test automated bump test and calibration station

*Toxic and oxygen sensors are not rated for continuous operation above 50°C (122°F)

Product variants and options:

	2 gas - Flammable	2 gas - CO	3 gas - H_2S	3 gas - CO	3 gas - CO (H_2 immune)	4 gas	4 gas (H_2 immune)
Oxygen (O_2)	●	●	●	●	●	●	●
Flammable	●		●	●	●	●	●
Hydrogen sulphide (H_2S)			●			●	●
Carbon monoxide (CO)		●		●		●	
Carbon monoxide (CO) - H_2 immune					●		●

Gases and Ranges:

Gas	Range	Resolution
Oxygen (O_2)	0-30% vol.	0.1% vol.
Flammable	0-100% LEL	1% LEL
Hydrogen sulphide (H_2S)	0-100ppm	1ppm
Carbon monoxide (CO)	0-1000ppm	1ppm

T4 Accessories:

Cradle charger
Docking station for easy charging

10 way charger
For charging and storing your T4 fleet
*Not available for UL certified products

Vehicle charger
Effective charging and storage whilst travelling

NEW Portables Pro 2.0 Software
For easy configuration and servicing

External filter plate
Clip-on filter for dusty environments

I-Test
Easy automated bump testing and calibration solution

Aspirator plate
Sample atmosphere prior to entry

Bump/calibration plate
To apply test gas to T4

Crowcon reserves the right to change the design or specification of the product without notice. Check www.crowcon.com for updates.

www.crowcon.com

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