



**FRONTLINE**  
Safety

---

**DATA SHEET**

---

Unit F, 230 Parkway Point, Springhill Parkway,  
Glasgow Business Park, Glasgow, UK, G69 6GA

[www.frontline-safety.co.uk](http://www.frontline-safety.co.uk)

**t:** +44(0)141 771 7749

**e:** [sales@frontline-safety.co.uk](mailto:sales@frontline-safety.co.uk)

# T4

Now with  
improved detection  
of pentane and  
long chain  
hydrocarbons

## 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<sub>2</sub>S), **flammable** gases and **oxygen** (O<sub>2</sub>) depletion.



T4 Portable Multigas Detector



T4 Portable Multigas Detector

NEW Portables Pro 2.0 Software Easy service and configuration



I-Test & I-Test Manager Bump test & calibration solutions



Comprehensive range of accessories and charging options



# 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

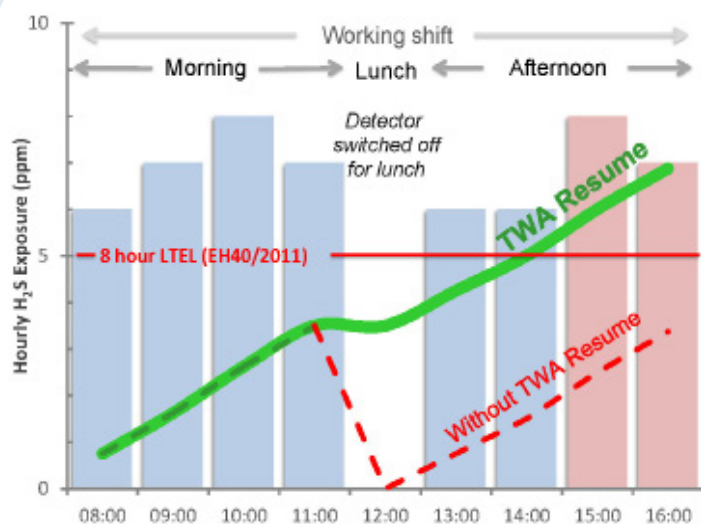
One sensor for every gas ensures effective, fast and reliable detection.

## 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<sub>2</sub>S) 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

<b>Size</b>		135 x 80 x 35mm (5.3 x 3.1 x 1.4in)
<b>Weight</b>		282g (9.9oz)
<b>Durability</b>		Drop tested 4m onto concrete
<b>Alarms</b>	<b>Audible Vibrating Visible</b>	95dB Integrated Bright red & blue LED's
<b>Display</b>		Front mounted, backlit, 180° flip for easy viewing while worn
<b>Logging</b>	<b>Data Events</b>	130 hours of data at 10s intervals 3,500
<b>Battery</b>	<b>Rechargeable Li-ion</b>	Up to 18 hour runtime; 5.5 hour recharge
<b>Environment</b>	<b>Operating temp Humidity Ingress protection</b>	-20 to +55°C (-4°F to +131°F)* 10-95% RH @ 40°C non-condensing Independently tested to IP65 and IP67
<b>Compliance</b>	<b>EMC</b>	Directive 2014/30/EU
<b>Approvals</b>	<b>ATEX IECEX UL  INMETRO MED</b>	Ex II 2 G Ex d ia IIC T4 Gb Tamb -20°C to +55°C Ex d ia IIC T4 Gb Tamb -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 Tamb -20°C to +55°C ⊕
<b>Accessories</b>	<b>Included with T4</b>	Integrated alligator clip and tethering loop Bump/calibration plate
	<b>Available separately</b>	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 <sub>2</sub> S	3 gas - CO	3 gas - CO (H <sub>2</sub> immune)	4 gas	4 gas (H <sub>2</sub> immune)
<b>Oxygen (O<sub>2</sub>)</b>	●	●	●	●	●	●	●
<b>Flammable</b>	●		●	●	●	●	●
<b>Hydrogen sulphide (H<sub>2</sub>S)</b>			●			●	●
<b>Carbon monoxide (CO)</b>		●		●		●	
<b>Carbon monoxide (CO) - H<sub>2</sub> immune</b>					●		●

## Gases and Ranges:

Gas	Range	Resolution
<b>Oxygen (O<sub>2</sub>)</b>	0-30% vol.	0.1% vol.
<b>Flammable</b>	0-100% LEL	1% LEL
<b>Hydrogen sulphide (H<sub>2</sub>S)</b>	0-100ppm	1ppm
<b>Carbon monoxide (CO)</b>	0-1000ppm	1ppm

Crowcon reserves the right to change the design or specification of the product without notice. Check [www.crowcon.com](http://www.crowcon.com) for updates.

[www.crowcon.com](http://www.crowcon.com)

### UK:

Tel: +44 (0) 1235 557700  
Fax: +44 (0) 1235 557718  
Email: [sales@crowcon.com](mailto:sales@crowcon.com)

### US:

Tel: +1 859 957 1039  
Toll Free: 800-527-6926  
Fax: + 859 957 1044  
Email: [salesusa@crowcon.com](mailto:salesusa@crowcon.com)

### NL:

Tel: +31 10 421 1232  
Fax: +31 10 421 0542  
Email: [eu@crowcon.com](mailto:eu@crowcon.com)

### SG:

Tel: +65 6745 2936  
Fax: +65 6745 0467  
Email: [sales@crowcon.com.sg](mailto:sales@crowcon.com.sg)

### ME:

Tel: +971 (0) 4345 1980  
Fax: +44 (0) 1235 557718  
Email: [sales@crowcon.com](mailto:sales@crowcon.com)

### IN:

Tel: +91 22 6708 0400  
Fax: +91 22 6708 0405  
Email: [salesindia@crowcon.com](mailto:salesindia@crowcon.com)

## T4 Accessories:



**Cradle charger**  
Docking station for easy charging



**10 way charger**  
For charging and storing your T4 fleet



**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

**Thank you for reading this data sheet.**

For pricing or for further information, please contact us  
at our UK Office, using the details below.

**Please note** — Product designs and specifications are subject  
to change without notice. The user is responsible for  
determining the suitability of this product.



Unit F, 230 Parkway Point, Springhill Parkway,  
Glasgow Business Park, Glasgow, UK, G69 6GA

[www.frontline-safety.co.uk](http://www.frontline-safety.co.uk)

**t:** +44(0)141 771 7749

**e:** [sales@frontline-safety.co.uk](mailto:sales@frontline-safety.co.uk)