

**CROWCON**  
Detecting Gas Saving Lives

# T4x

## Personal 4 Gas Monitor

Now with industry leading  
MPS™ flammable gas  
and Long-Life oxygen  
sensors.



# T4x



T4x helps ensure compliance across site by eliminating the need to ensure each device is calibrated for the relevant flammable gas as it accurately detects more than 15 flammable gases, in any mix, at once, while being Type 1. Being poison resistant and with battery life doubled, operators are more likely to never be without a device. T4x reduces the 5 year total cost of ownership by over 25% and saves 12g of lead per detector which makes it easier to recycle at the end of its life, and better for the planet.



## Features

TWA resume function	Unique this innovative feature ensures toxic gas exposure is calculated accurately over an entire shift, even if switched off for a break or during travel to another site.
Battery life	T4x: 35+ hours battery (double the battery life of our original T4) allows multiple or longer shifts to be worked between recharging.
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, provides dependable operation under the most demanding use.
Water & dust resistant to IP65 & IP67	Provides protection in the harshest environments.
Dedicated sensors	One sensor for every gas ensures effective, fast and reliable detection.
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	T4x: ATEX Type 1 (Zone 0) approved and UL Class 1 Division 1 allows for uninterrupted working in the most demanding environments.
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.

## Gases and ranges

Gas	Range	Resolution
Oxygen (O <sub>2</sub> )	0-30% vol.	0.1% vol.
Oxygen (O <sub>2</sub> ) Long Life	0-25% vol	0.1% vol
Flammable	0-100% LEL	1% LEL
Hydrogen sulphide (H <sub>2</sub> S)	0-100ppm	1ppm
Carbon monoxide (CO)	0-1000ppm	1ppm

## Product variants and options

Gas Sensor Options	Configurations											
	2 gas		3 gas			New	4 gas				New	
Oxygen (O <sub>2</sub> )	▶	▶	▶	▶	▶		▶	▶				
Oxygen (O <sub>2</sub> ) Long Life						▶			▶	▶	▶	▶
Flammable MPS™						▶					▶	▶
Flammable Pellistor	▶		▶	▶	▶		▶	▶	▶	▶		
Hydrogen sulphide (H <sub>2</sub> S)			▶				▶	▶	▶	▶	▶	▶
Carbon monoxide (CO)		▶		▶			▶			▶	▶	
Carbon monoxide (CO) - H <sub>2</sub> immune					▶	▶		▶	▶			▶

## 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 35 hours run time with MPS™ sensor fitted; 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	T4x	ATEX and UKCA: II 1 G Ex ia IIC T4 Ga -20°C ≤ Ta ≤ +55°C (T4 Type 1) IECEX : Ex ia IIC T4 Ga -20°C ≤ Ta ≤ +55°C (T4 Type 1) UL USA and cUL: Use in hazardous locations Class 1 Div 1 groups A,B,C,D only as to intrinsic safety MED: Directive 2014/90/EU 
Accessories	Included with	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
Crowcon Connect Compatible?	Yes	

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

### 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.

Many factors beyond Crowcon Detection Instruments' control and uniquely within user's knowledge and control can affect the use and performance of a Crowcon product in a particular application. 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.