

# T4

## Personal 4 Gas Monitor

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



# T4

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# 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 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.
Battery life	<p>T4: Safely work multiple or longer shifts between charges, covered by the 18 hour battery life.</p> <p>T4x: 35+ hours battery (double the battery life of our original T4) allows multiple or longer shifts to be worked between recharging.</p>
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 and dust resistant to IP65 and IP67	Provides protection in the harshest environments.
Dedicated sensors	One sensor for every gas ensures effective, fast and reliable detection.
Positive safety indicator	<p>A simple 'traffic light' status indicator which, at a glance, provides visual assurance of operational and compliance status to both users and supervisors.</p> <p>Green light - Working safely</p> <p>Red light - Attention required</p>
Intrinsically safe	<p>T4: ATEX approved and UL Class 1 Div 1 for safe operation in a wide range of hazardous environments.</p> <p>T4x: ATEX Type 1 (Zone 0) approved and UL Class 1 Division 1 allows for uninterrupted working in the most demanding environments.</p>
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	0-30% 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				4 gas					
						New					New	
Oxygen (O <sub>2</sub> )	▶	▶	▶	▶	▶		▶	▶				
Oxygen (O <sub>2</sub> ) Long Life						▶			▶	▶	▶	▶
Flammable MPS <sup>TM</sup>						▶					▶	▶
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 and 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; 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	T4	ATEX and UKCA: II 2 G Ex db ia IIC T4 Gb Tamb -20°C to +55°C (T4 Type 2)  IECEX : Ex db ia IIC T4 Gb -20°C ≤ Ta ≤ +55°C (T4 Type 2) UL USA and cUL: Use in hazardous locations Class 1 Div 1 groups A,B,C,D only as to intrinsic safety  INMETRO: Ex db ia IIC T4 Gb -20 °C ≤ Ta ≤ +55 °C MED: Directive 2014/90/EU 
	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 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
Crowcon Connect Compatible?	Yes	

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

### Disclaimer

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