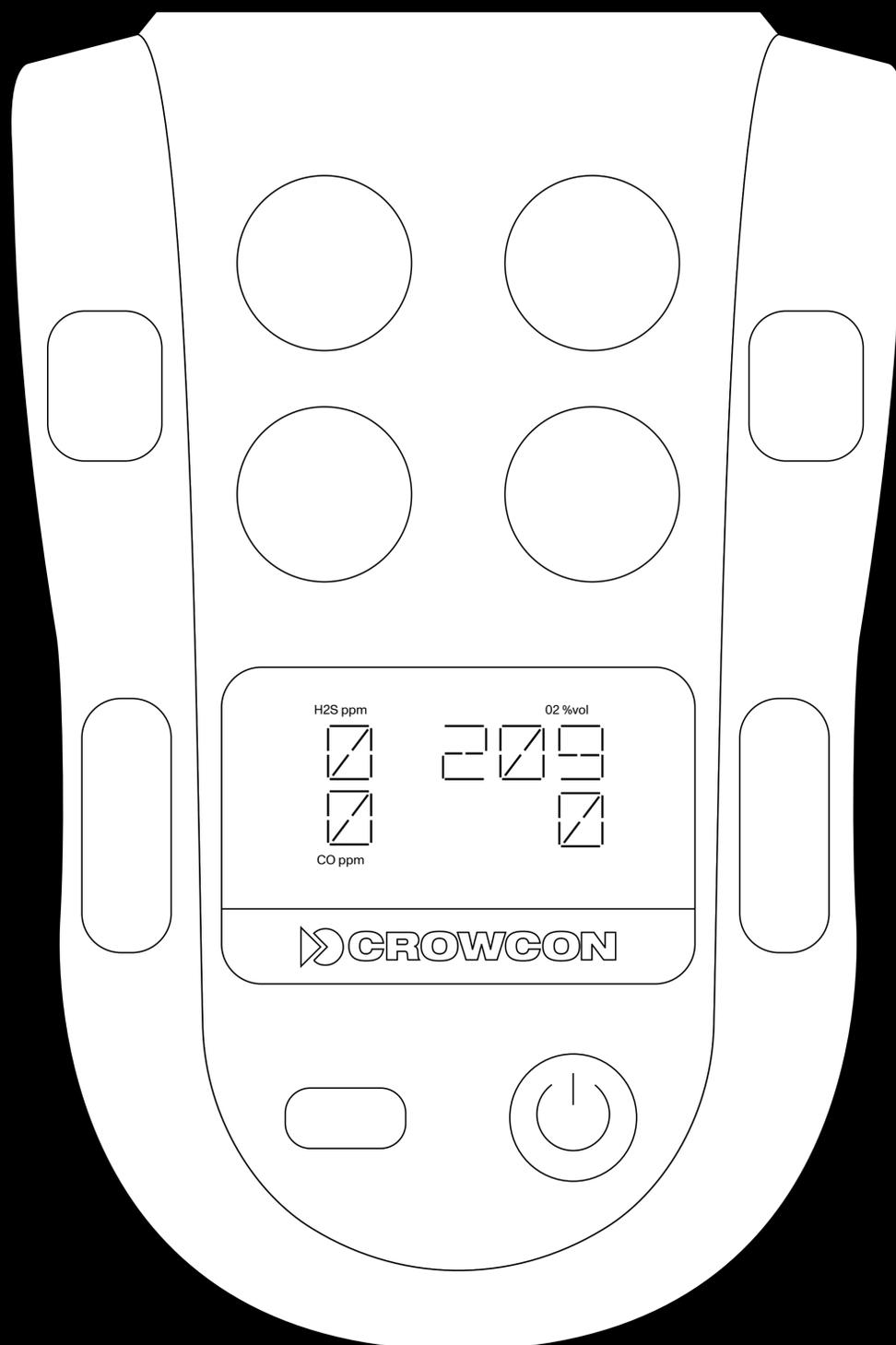


T4

Personal 4 Gas Monitor



Datasheet





T4 - PERSONAL 4 GAS MONITOR

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 (H₂S), flammable gases and oxygen (O₂) depletion.

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	T4: Safely work multiple or longer shifts between charges, covered by the 18 hour 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, 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	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	T4: ATEX approved and UL Class 1 Div 1 for safe operation in a wide range of hazardous environments. T4x: ATEX Type 1 (Zone 0) approved and UL Class 1 Division 1 allows for interrupted 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	Campo di misura	Allarmi tipici
Oxygen (O2)	0-30 % vol.	0,1 % vol.
Oxygen (O2) Long Life	0-30% vol	0.1% vol.
Flammable	0-100 % LEL	1% LEL
Hydrogen sulphide (H2S)	0-100ppm	1 ppm
Carbon monoxide (CO)	0-1000ppm	1 ppm

Product variants and options

Gas Sensor Options	Configurations										
	2 gas		3 gas				4 gas				
						New					New
Oxygen (O2)	●	●	●	●	●		●	●			
Oxygen (O2) Long Life						●			●	●	●
Flammable MPS TM						●			●	●	●
Flammable Pellistor	●		●	●	●		●	●	●	●	
Hydrogen sulphide (H2S)			●				●	●	●	●	●
Carbon monoxide (CO)		●		●			●			●	●
Carbon monoxide (CO) - H2 immune					●	●		●	●		●



Specification

Size		135x80x35mm(5.3x3.1x1.4in)
Weight		282 g (9,9 oz)
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 MPSTM 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	ATEXandUKCA:II2GExdbiallCT4Gb Tamb -20°C to +55°C (T4 Type 2) IECEX:ExdbiallCT4Gb-20°C≤Ta≤+55°C(T4Type2) UL USA: Use in hazardous locations Class 1 Div 1 groups A,B,C,D only as to intrinsic safety INMETRO:ExdbiallCT4Gb- 20°C≤Ta≤+55°C MED: Directive 2014/90/EU
	T4x	ATEXandUKCA:II1GExiallCT4Ga -20°C ≤ Ta ≤ +55°C (T4 Type 1) IECEX:ExiallCT4Ga-20°C≤Ta≤+55°C(T4Type1) UL USA: 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
*		*Toxic and oxygen sensors are not rated for continuous operation above 50°C (122°F)
Crowcon Connect Compatible?		Yes

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