

TETRA 3

Personal 4 Gas Monitor

T4 integrates innovative safety features and an intuitive, rugged design to provide advanced protection for those working in harsh environments



The Tetra 3 multi-gas monitor is a compact, robust and easy-to-use diffusion-based detector. Single button operation, small size and clear top-mounted display make it a favourite in the market amongst those working in demanding industrial environments, such as those in the water, telecoms, food, brewing or hydrocarbons sectors.

The Tetra 3 can detect and monitor the four most common gases (carbon monoxide, methane, oxygen and hydrogen sulphide), but also an expanded range: ammonia, ozone, sulphur dioxide, H₂ filtered CO (for steel plants) and IR carbon dioxide (for safe area use only).

This ultra-robust design provides impact, water and dust resistance, as well as extra shock and vibration protection to withstand even the harshest environments.

The Tetra 3 is super user-friendly, with a single button operation for all functions which can be used with gloved hands, plus a top mounted backlit display of all gas readings, diagnostics and battery life make it simple and intuitive to use, minimising training needs.

With clear audio-visual and vibrating alarms, you can be confident there will be no missed signals when warnings are issued, enabling prompt evacuations from hazard zones when it matters.

GASES & RANGES

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GAS	RANGE	TYPICAL ALARM
Flammable*	0-100% LEL	20% LEL
Oxygen (O ₂)	0-25% vol	19/23.5% vol
Hydrogen Sulphide (H ₂ S)	0-100ppm	5ppm
Carbon Monoxide (CO)	0-500ppm	20ppm
Carbon Monoxide (CO) H ₂ compensated	0-500ppm	20ppm
Sulphur Dioxide (SO ₂)	0-20ppm	0.5ppm
Ozone (O ₃)	0-1ppm	0.1ppm
Ammonia (NH ₃)	0-100ppm	25ppm
Carbon Dioxide (CO ₂)**	0-5	0.5
Hydrogen Cyanide (HCN)	0-30ppm	1ppm

* Methane, Pentane, Propane, Butane, Ethylene, Hydrogen and others available, contact Crowcon for further options

**Tetra 3 is available in a safe area CO₂ version offering 0-5% carbon dioxide measurement. The CO₂ sensor replaces the flammable option and can be supplied with oxygen and toxic sensors

SPECIFICATIONS

DEVICE SPECIFICATIONS		
SIZE	114 x 71 x 48mm (tapers to 20mm) (4.5 x 2.8 x 1.9ins)	
WEIGHT	295g (10.4oz)	
ALARMS	Audible 95dB multiple alarm sounds allow selection of distinctive tones for different alarm levels Vibrating: Internal vibrating alarm	
DISPLAY	Graphic LCD with backlight, giving simultaneous display for all gas channels. Graphic symbols for battery (with proportional indication of remaining operation time), healthy operation or fault warning. Start up indication when calibration is due, overdue, or service required.	
LOGGING	Timed datalogging: 50 hours at 1-min data rate (>12,000 data logs of 4 channels) Threshold logging: Starts after adjustable pre-set level Events: 3,500	
BATTERY	Rechargeable Li-ion battery Based on four-gas instrument fitted with flammable sensor: A 5 hour charge from flat provides at least 12 hours of continuous use. A 12-hr charge provides 14 hours of continuous use	
SAMPLING	Diffusion or hand aspirator	
OPERATING TEMPERATURE	-20 to +55°C (-4°F to +131°F)*	
HUMIDITY	15-95% RH non-condensing**	
INGRESS PROTECTION	IP65 and IP67	
COMPLIANCE	EMC Directive 2014/30/EU	
APPROVALS	ATEX II 2G Ex ia db IIC T4 Gb (-20°C ≤ Ta ≤ +55°C) BASEEFA05ATEX0187 IECEx Ex db ia IIC T4 Gb (-20°C ≤ Ta ≤ +55°C) BAS05.0059 CSA Class I Division 1 Groups A, B, C and D	
SAFETY STANDARDS	EN60079-0, EN60079-11, EN60079-1 CSA22.2, 152 EN50270, EN50271, EN50104, EN45544, EN60079, IEC61508	
ACCESSORIES	Included with	Integrated alligator clip
	Available separately	Universal harness plate, shoulder strap, chest harness, aspirator assembly (flow plate, bulb and 2m/6ft tubing), fixed and telescopic sample probes, and an in-line water trap
CROWCON CONNECT COMPATIBLE?	Yes	

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

** Toxic and oxygen sensors RH specifications vary, consult Crowcon for specific operating humidities

Disclaimer

Due to ongoing research and product improvement, specifications are subject to change without notice. While every effort has been made to ensure accuracy in this document, no responsibility can be accepted for errors or omissions. Data may change, as well as legislation, and you are strongly advised to obtain copies of the most recently issued regulations, standards, and guidelines. This document is not intended to form the basis of a contract.

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