

Local Distributor/Agent Details



Gas Detection You Can Trust

Product	Tetra	Tetra:3	Gasman
Weight	498g (1.1lb)	269g (9.6oz)	130g (4.6 oz)
Dimensions (HxWxD)	122x128x57mm (4.75 x5x2.5 inches)	112x72x49 tapers to 20mm (4.4x2.8x1.9 inches)	90x48x24mm (3.5x1.9x0.95inch)
Display:	128x64 graphic LCD with backlight, giving simultaneous display for all gas channels. Display indication of pump operation, healthy operation or fault warning. Start up indication when calibration is due within 30 days, calibration overdue, or service required.	128x64 graphic LCD with backlight, giving simultaneous display for all gas channels. Display indication of healthy operation or fault warning. Start up indication when calibration is due within 30 days, calibration overdue, or service required.	Custom LCD with backlight, with display of gas concentration. Graphic symbols for battery (with proportional indication of remaining operation time) healthy operation or fault warning. Start up indication when calibration is due within 30 days, calibration overdue, or service required.
Datalogging	50 hours at 1-minute data rate.	50 hours at 1-minute data rate.	900 hours storage at 1 minute interval.
Event logging:	>1500 events	>1500 events	>4800 capacity event logging to record all instrument events
Operating time	>12 hours	>20 hours	>20 hours
PC Interface	IR link for RS232 connection. USB/RS232 convertor available Portables PC software package provides full configuration control, calibration and access to the Data and Event files.	Via optional interface PCB in charger USB/RS232 Converter available. Portables PC software package provides full configuration control, calibration and access to the Data and Event files.	Via optional interface PCB in charger USB/RS232 converter available. Portables PC software package provides full configuration control, calibration and access to the Data and Event files.
Accessories	Supplied with an integral belt/pocket clip. Pumped Tetra units are supplied with a sampling kit (flowplate and 2m(6ft) tubing)	Integral alligator pocket clip. Chest harness kit available as an option	Integral alligator pocket clip. Chest harness kit available as an option
Alarms:	Each gas channel can have two instantaneous alarm levels set. Toxic channels also have Time Weighted Average alarms.		
Audible Alarms	95dBA Multiple alarm sounds allow selection of distinctive tones for different alarm levels		
Visible Alarms	Dual colour red/blue flashing LED pair in gas hazard		
Vibrating alarm	Internal vibrating alarm		
Display Mode	Normal display for real time gas concentration levels. Display recall for Peak readings and TWA.		
Battery Types	Rechargeable Li-ion battery		
Operating temp. range	-20°C to +55°C (-4°F to +131°F)		
Humidity	0-99% RH		
Ingress Protection	IP65		
Operation Standards	EN50270, EN50271		
Operating Environment	CO ₂ monitors are not certified for use in hazardous areas		
Charger Options	Plug in charging power supplies are available in UK, European or US style. In line versions for 110V or 230V AC have flying lead for fitment of suitable mains plug. A vehicle lighter socket charger is available.		



2 Blacklands Way | Abingdon Business Park | Abingdon | OXON | OX14 1DY | +44 (0) 1235 557700 | sales@crowcon.com



21 Kenton Lands Road | Erlanger | Kentucky 41018-1845 | +1 859 957 1039 | salesusa@crowcon.com



Vlambloem 129 | 3068JG | Rotterdam | +31 10 421 1232 | eu@crowcon.com



Block 194 Pandan Loop | #06-20 Pantech Industrial Complex | Singapore 128383 | +65 6745 2936 | sales@crowcon.com.sg

Infrared carbon dioxide monitors

For personal monitoring and protection

Infrared sensor for carbon dioxide detection

Single and multigas monitors

Accurate and reliable measurement



IR CO₂ Range

Carbon dioxide (CO₂) is an unseen hazard in many industrial environments. Historically thought of purely as an asphyxiant, CO₂ is now correctly recognised as a toxic hazard in its own right. Whereas previously oxygen deficiency measurements were assumed to provide adequate safety in CO₂ risk environments, it is now recognised that CO₂ needs to be detected directly at significantly lower levels.

Use of the latest infrared technology ensures fast, accurate and reliable carbon dioxide detection giving users an effective warning of potentially dangerous gas conditions. Whether as single gas, or as multigas with oxygen and other toxic sensors, Crowcon carbon dioxide units are rugged, yet simple and convenient to use.



Measurement Ranges, Alarms and Response Times

Where carbon dioxide is present as a gas hazard there are also likely to be risks associated with oxygen deficiency and other toxic gases. The table below summarises information for typical gases encountered. Sensors are also available for a wider range of toxic gases – contact Crowcon for any gases not listed.

Alarm levels listed are those most typically specified. Required alarm levels vary significantly between different countries and if alternatives are needed these are available on request or can be set via supervisor software.

Gas	Range	Alarm 1	Alarm 2	STWA*	LTWA**	T ₉₀ Response
Carbon dioxide (CO ₂)	0-5%	0.5%	1.5%	1.5%	0.5%	<30 secs
Oxygen (O ₂)	0-25%	19%	17%	N/A	N/A	<15 secs
Sulphur dioxide (SO ₂)	0-20ppm	1ppm	3ppm	3ppm	1ppm	<90 secs
Ozone (O ₃)	0-1ppm	0.1ppm	0.3ppm	0.3ppm	0.1ppm	<120 secs
Hydrogen sulphide H ₂ S)	0-100ppm	5ppm	10ppm	10ppm	5ppm	<30 secs

* Short Term (15 minute) Time Weighted Average

** Long Term (8 hour) Time Weighted Average



Gasman - Single Gas

- Small and lightweight
- Integral alligator clip
- Simple one button operation
- Large easy to read display
- Lithium ion rechargeable battery
- Full data and event logging included



Tetra:3 - Multigas

- Compact and lightweight personal monitor
- Integral alligator clip
- Simple one button operation
- Lithium-ion rechargeable battery
- Up to three gas sensors
- Top mount display

Tetra - Multigas

- Up to four gas sensors
- Integral belt clip
- Simple one button operation
- Lithium-ion rechargeable battery
- Top mount display
- Pumped version facilitates sampling

