CO_2

H_2S

Cl_2

NH_3

O_3

CO

O_2

CH_4

SO_2

CO_2

H_2S

TETRA:3

4 Gas Personal Monitor
Oxygen, Toxic and Flammable Gases

TETRA:3

Proven to serve the needs of today's most arduous industrial environments.

Designed with the user in mind, the top mount display, full function data and event logs, audible, visual and vibrating alarms deliver top end performance in a small and lightweight package.

T3 features:

Robust
- Tough over-moulded contraction to resist shock and vibration
- Water and dust resistant to IP65 and IP67

Alarms
- 95dB Audible Alarm
- Piercingly bright red/blue visable alarm
- Vibrating alarm

Reliable
- Proven sensor technology and software operation
- 'At a glance' operating status
- Clear calibration due warning

Performance
- Li-ion battery with >16 hrs operation
- True single button operation
- Easy to read back-lit display for gas readings and diagnostics

CROWCON
Gas Detection You Can Trust

TETRA:3

Tetra 3 is an intuitive 4 gas personal monitor with a top mount display designed to withstand the harshest of industrial environments.

Gases and Ranges

Ranges and alarms may vary by country and application which can be configurated as required. Each channel can have two instantaneous alarms. Toxic channels also have TWA alarms.
Flammable gas calibration is available for methane, propane, butane, pentane, hydrogen and ethylene as standard.

* T3 is available in a safe area CO_2 version offering 0-5% carbon dioxide measurement. The CO_2 sensor replaces the flammable option and can be supplied with oxygen and toxic sensors.

Gas	Range	Typical Alarm (UK)
Flam	0-100% LEL	20%
O_2	0-25%	19/23.5%
H_2S	0-100ppm	5ppm
CO	0-500ppm	30ppm
SO_2	0-20ppm	1ppm
O_3	0-1ppm	0.1ppm
NH_3	0-100ppm	25ppm
*CO_2	0-5%	0.5%

Gas Test Kit

The Gas Test Kit provides a simple and convenient means of carrying out either a pre-use (bump) test or a simultaneous four gas calibration (flam, O_2, H_2S, CO only).

Charging Options

The T3 can be supplied with:
- Single way drop in charger with UK, EU or US plug or in-line 110V/220V supply
- Single way drop in charger with options as above including PC interface
- 5 way multi-charger with universal power supply
- Vehicle adapter for in-vehicle charging
- *NEW* – Universal charger for vehicle, wall and desk mounting with a multi-region plug (supplied with EU/UK/US inserts) and status indication

Contact Crowcon for further information.

Specification	
Weight Dimensions	295g (10.4oz) 114 x 71 x 48mm (tapers to 20mm) 4.5 x 2.8 x 1.9 inches
Audible Alarms	95dB Multiple alarm sounds allow selection of distinctive tones for different alarm levels
Visible Alarms	Dual colour red/blue flashing LED in gas hazard
Vibrating Alarm	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
Display Mode	Normal display for real time gas concentration levels. Display recall for Peak readings and TWA
Datalogging (optional)	Timed datalogging: 50 hours at 1-minute data rate (3000 records) Threshold logging (starts after adjustable preset level) Event logging: >1500 events
Battery	Rechargable Li-ion battery
Operating Time	Based on four gas unit with flammable sensor >16 hours
Sampling	Diffusion or hand aspirator
Operating Temp. Range	-20°C to +55°C (-4°F to +131°F) Toxic and Oxygen sensors are not rated for continuous operation at high temperatures. Consult Crowcon if operating temperatures are likely to exceed 40°C (104°F) for extended periods
Humidity	20-90% RH @ 40°C non-condensing
Ingress Protection	IP65 and IP67
Approval Codes *Europe*	ATEX II 2 G Ex ia d IIC T4 Gb (-20°C ≤ Ta ≤ +55°C) BASEEFA05ATEX0187
International	IECEx Ex ia d IIC T4 Gb (-20°C ≤ Ta ≤ +55°C) BAS05.0059
North America	CSA Class I Division 1 Groups A, B, C, D
Safety Standards *Europe* *North America* Operation Standards	EN60079-0, EN60079-11, EN60079-1, 94/9/EC CSA22.2, 152 EN50270, EN50271, EN50104, EN45544, EN60079, IEC61508
PC Interface	RS232 connection from interface module in charger RS232/USB converter available
Calibration	Tetra 3 can be routinely calibrated using Portables PC software or Crowcon Checkbox IMH
Accessories	Tetra 3 is supplied with an integral alligator clip
Optional Accessories	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

Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.