TETRA 3

Lični višegasni monitor sa iad začtitom

TETRA 3 višegasni detector je novi proizvod u porodici *Tetra monitora*. *TETRA 3* sa svojim jednostavnim rukovanjem pomoću jednog jedinog dugmta, malom težinom I veličinom čini ga najjednostavnijim za upotrebu od svih detekotra ove klase koji su trenutno na tržištu. Zasnovan na dokazanoj visokoj efikasnosti *Tetra monitora TETRA 3* je dizajniran za korišćenje u izuzetno teškim industrijskim uslovima. Uprkos kompaktnoj i praktičnoj veličini *TETRA 3* je izuzetno otporan na udare i vodootporan.

TETRA 3 višegasni detector odlikuje se sledećim karakteristikama:

- do 4 gasa u izuzetno maloj veličini i laganom, kompaktnom kućištuč
- jedno dugme za rukovanje svim funkcijama, može se upravljati i sa rukavicama;
- izradjen od izuzetno otpornog materijala, što mu omogućuje dodatnu zaštitu od udara i vibacija;
- pouzdane Litium-ion baterije obezbeđuju preko 16 sati neprekidnog rada;
- otporan na vodu i na prašinu IP67, može biti potopljen u vodi
- Brzo i efikasno upozorenje sa 95dB zvučnog alarma, sa izuzetno sjajnim svetosnim crveno/plavim alarmom i vibracionim alarmom, predstavljaju standard kod ovih uredjajač
- pozadinski displej dizajniran na vrhu intrumenta za sva gasna očitavanja, dijagnostiku i stanje baterije
- Izradjen u Ex zaštiti *ATEX II 2G EEx iad IIC*

4-gas personal monitor

TETRA:3

CROWCON
Gas Detection You Can Trust

Specification

Weight	269g (9.6oz)		
Dimensions	112x72x49 (tapers to 20mm) 4.4x2.8x1.9 inches		

Gas	Range	Alarm UK/ROW	Alarm USA
Flammable	0-100%LEL	20%LEL	10%LEL
Oxygen	0-25%	19/23.5%	19.5/23.5%
Hydrogen Sulphide	0-50ppm	5ppm	10ppm
Carbon Monoxide	0-500ppm	30ppm	35ppm

Other ranges and alarm levels are available on request.
Each gas channel can have two instantaneous alarm levels set.
Toxic channels also have Time Weighted Average alarms.

Flammable gas calibration is available for methane, propane, butane, pentane, hydrogen and ethylene as standard.

Typical response times	Flammable 20 s, Toxic gas 30 s, Oxygen 10 s
Audible Alarms	95dBa Multiple alarm sounds allow selection of distinctive tones for different alarm levels
Visible Alarms	Dual colour red/blue flashing LED pairs 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 within 30 days, calibration 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)
Humidity	0-99% RH
Ingress Protection	IP65 and IP67

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HALMA
GROUP
COMPANY

Approval Codes Europe:	ATEX II 2G EEx iad IIC T4 (Tamb -20°C to +55°C) BASEEFA05ATEX0187
International:	IECEx Ex iad IIC T4 (Tamb -20°C to +55°C) BAS05.0059
USA	Class I Division 1 Groups A, B, C, D. pending
Safety Standards Europe USA & Canada	EN50014, EN50020, EN50018, 94/9/EC UL913, CSA22.2, 152
Operation Standards	EN50270, EN50271, IEC61508, EN61779
PC Interface	RS232 connection from interface module in charger RS232/USB converter available
Calibration	Tetra :3 can be routinely calibrated using Portable PC software or Crowcon Checkbox IMH.
Accessories	Tetra :3 is supplied with an integral alligator clip.
Charger options	Single way drop in charger with options of UK, European or US style plug-in mains supplies, or in-line 110, 230 oruniversal supply. Optional PC interface module within the single way charger. 5 way multicharger with universal power supply.

Optional accessories include: 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.

Gas Test Kit

All Tetra :3 instruments are pre-programmed for use with the Gas Test Kit and need no special training or equipment to verify that the monitor is working within acceptable limits.

The Gas Test Kit provides a simple and convenient means of carrying out either a pre-use (bump) or a simultaneous four gas calibration for flammable gas, oxygen, carbon monoxide and hydrogen sulphide.

The kit includes a 34 litre gas bottle containing a multi-gas mix with a special 'Trigger' regulator, a magnet and a clip-on flow plate, all supplied in a convenient carry case.

Swiping the magnet past the Tetra :3 display initiates a special test mode, then the gas is applied. The Tetra :3 evaluates the response to the gas and if it is within defined limits the Tetra :3 signals a successful test. A test failure brings up an advisory calibration warning.

If the user performs a manually selected zero prior to test initiation Tetra :3 offers the option of running a simultaneous four-gas calibration rather than just a verification test.

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