Tetra

Specification

Weight	498g (1.1lb)	
Dimensions	$4^3/_4$ x5x$2^1/_2$ inches rechargeable	
	$5^1/_4$ x5x$2^1/_2$ inches non-rechargeable	

Gas	*Range*	*Alarm US*
Combustible	0-100%LEL	10%LEL
Oxygen	0-25%	19.5/23.5%
Hydrogen Sulfide	0-50ppm	10ppm
Carbon Monoxide	0-500ppm	35ppm
Sulfur Dioxide	0-10ppm	2ppm
Chlorine	0-5ppm	0.5ppm
Nitrogen Dioxide	0-10ppm	3ppm
Nitric Oxide	0-100ppm	25ppm
Ammonia	0-50ppm	25 ppm
Ozone	0-1ppm	0.1 ppm
Hydrogen	0-1000ppm	N/A
Hydrogen Cyanide	0-25ppm	5 ppm
Hydrogen Chloride	0-10ppm	1 ppm
Hydrogen Fluoride	0-10ppm	1 ppm
Phosphine	0-2ppm	0.2 ppm
Ethylene Oxide	0-10ppm	5ppm

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 and ethylene as standard.

Typical response times	Combustible 20 s, Toxic gas 20 s, Oxygen 10s
Audible Alarms	1ft 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	128x64 graphic LCD with backlight, giving simultaneous display for all gas channels. Graphic symbols for battery (with proportional indication of remaining operation time), pump operation, 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 continuous real time gas concentration levels. Display recall for Peak readings and TWA
Datalogging	Event logging
Battery Types	Rechargable Li-ion battery Non rechargeable pack 3xAA Alkaline cells
Operating time	Based on pumped four gas unit with flammable sensor Rechargeable 12 hours minimum Non-rechargeable 18 hours minimum

Sampling	Internal electric sampling pump
Operating temp. range	-4°F to +131°F (-20°C to +55°C)
Humidity	0-99% RH
Approval Codes USA & Canada	Class I Division 1 Groups A, B, C, D. (Approvals pending)
Europe:	ATEX II 2G EEx iad IIC T4 (Tamb -20°C to +55°C) BASEEFA 03ATEX0193
Standards Safety Europe USA & Canada	EN50014, EN50020, EN50018, 94/9/EC UL913, CSA22.2, 152
Operation	EN50270, EN50271, IEC61508
Ingress Protection	Nema 4x
PC Interface	IR link for RS232 connection. USB/RS232 Converter available. Portables PC software package provides full configuration control, calibration and access to the Event Log file.
Autocalibrator	Tetra can be routinely calibrated using the Crowcon Autocalibrator II in conjunction with the Portables PC software.
Accessories	Tetra is supplied with an integral belt/pocket clip. Pumped units include a pump sampling flow plate with 6ft sampling tube.

Optional accessories include: universal harness plate, shoulder strap, chest harness, carry case, aspirator assembly (flow plate bulb and 2m/6ft tubing), fixed and telescopic sample probes, and an in-line water trap.

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