

IQ Force SPECIFICATIONS



Four-Gas Detector

Housing	
Weight	12.8 oz (363 g) without pump; 16.3 oz (463 g) with pump
Detector Dimensions	4.7 x 3.3 x 2.6 in. / 12 x 8.3 x 6.5 cm
Detector with Pump Dimensions	6.3 x 3.3 x 2.6 in. / 16 x 8.3 x 6.5 cm
Environmental Ratings	
Temperature	Normal Operating: 0° to 110°F (-18° to 43°C) Storage (ideal): 50° to 80°F (10° to 26°C)
Humidity	20% to 90% RH continuous, 0% to 95% RH intermittent
Detector	IP65/67
Pump	IP65; 50 ft. (15m) maximum tubing length
Approvals	
	UL Class I, Division 1, Groups A B C D, T4
	UL Class II, Division 1, Groups F G
	ATEX Ex d ia IIC T4
	IECEX Ex ia IIC T4 Gb
	CSA Class I Div 1, Groups A B C D, T4
	CSA C22.2 No. 152
Capabilities	
Datalogger	41 hours @ 1 minute intervals (default)
Eventlogger	Can store up to 200 events
Durability	Detector withstands a drop from 6 ft. (1.8 m) onto concrete
IQ Management System	Fully compatible. Supports alarm event email, person and location assignment functions
Misc.	Able to be docked with or without pump attached
Alarms	
Alarm Types	High, Low, TWA, STEL, Custom
Visual	Bright red LED on top of unit; yellow LCD backlight for low alarm; red LCD backlight for high alarm
Audible	Multi-tone, 95 dB @ 1 ft. (30cm)
Vibrating	Vibrating alarm standard
Battery	
Type	Lithium Ion
Run Time	Continuous @ 68°F (20°C) without pump: 22 hours; with pump: 14 hours Continuous @ -4°F (-20°C) without pump: 13 hours; with pump: 2½ hours
Recharge time	8 hours
Gas Detection Information	
Available Sensors	O ₂ , %LEL, CO, H ₂ S, Duo-Tox Dual-Channel (CO/H ₂ S), CO-H (hydrogen resistant CO sensor)
Number of Gas Chambers	Three sensor capability and four gas capability when using a Duo-Tox (CO/H ₂ S) sensor
Warranty	
	2 years (monitor), 1 to 2 years sensors, depending on type

IQ Force Sensor Information		
Sensor	Range	Resolution
Combustible Gas (LEL)	0-99% LEL, 0-5% CH ₄	1% LEL, 0.05% CH ₄
Oxygen (O ₂)	0-30% by Volume	0.1%
Carbon Monoxide (CO) Carbon Monoxide, H ₂ resistant (CO-H)	0-999 ppm	1 ppm
Hydrogen Sulfide (H ₂ S)	0-100 ppm	0.1 or 1 ppm
Duo-Tox Dual-Channel (CO/H ₂ S) <i>(Provide specific readouts for CO and H₂S)</i>	CO: 0-999 ppm H ₂ S: 0-100 ppm	1 ppm 0.1 or 1 ppm