

IQ Force™

Portable Multi Gas Detector



- **Water/Dust proof with IP67 rating making unit submersible.**
- **Drop tested thanks to rugged industrial design with built-in impact resistant housing**
- **Extensive RFI shielding**
- **Built for dust, water and temperature extremes**
- **Always audible with enhanced beeper**
- **A single battery charge outlasts a full shift**
- **Vital information at a glance**
- **Heart and Pump icons confirm normal operating status of instrument and pump**
- **SafetyFlash™ and Security/Confidence Flash provide at-a-glance assurance of safety status**
- **Large LCD screen conveys four simultaneous readings, messages and range of intuitive icons**

The reliability of the IQ Force™ solution puts money in your pocket and safety into your fleet.

IQ Force rugged multi-gas detectors are simple to use, customizable and reliable – perfect in a variety of industrial applications. Monitoring for up to four gases including Oxygen (O₂), combustible gases (%LEL), Hydrogen Sulfide (H₂S) and Carbon Monoxide (CO), IQ Force serves as a trusted workhorse, protecting workers day after day. IQ Force as a full solution brings you one step closer to advancing your safety culture. Combine the detector with the IQ Force docking station and IQ Management System to take your fleet program to a new level of efficiency, safe habits and overall safety. Whether you need to protect yourself from gas threats or manage a large scale fleet, IQ Force offers dependable operation, effective data mining and customizable options to suit your needs.

Why Trust the IQ Force to Work for You?

The IQ Force is built for the harsh environments that you work in. Designed and rigorously tested for use in the elements and to withstand drops and bumps that occur in a typical work day, the IQ Force keeps you working. The IQ Force saves you time with record-keeping and administrative duties, so you can do more on your job with less effort. Retrieve logged data for a specific incident, or analyze data regularly via the IQ Force Dock and IQ Management System in order to ease management of your fleet, reduce operational costs and enhance your safety program.

Easy to use

- Glove friendly, simple one-button operation
- Exceptionally easy automated calibration with docking station
- Optional motorized sampling pump attaches in seconds
- Field replaceable battery and sensors

Data when you need it most

- Continuous black box data recorder captures a wealth of critical information
- Extensive datalogging capacity
- New nested event logging feature

Flexible for your needs

- Set the custom alarm for your site's unique requirements
- A reliable detector and more - customize to your needs with pump, dock and IQ Management System
- Enhance your safety culture and streamline reportable events with the aid of different latching alarm options
- Get the right information to the right people with IQ Force's remote emailing feature

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Easy status confidence

Flashing heart icon conveys normal detector operation at a glance.

Super bright red LED

- Pulses under alarm events.
- Multiple alert modes: SafetyFlash™, or Security/Confidence Flash, both with settable flash frequencies

Large, easy to read LCD

- O2, LEL, CO, H2S real-time readings
- Tricolor backlight: white (normal operations, yellow (low/warning alarm), red (danger/high alarm)



Optional pump

Use it when you need it on the job. Motorized pump attaches in seconds.



IQ Force Dock

- Enables quick, easy and simplified data management
- Reduces training requirements
- Saves time on calibration and bump tests
- Reduces gas costs over manual bump and calibration

IQ Management System

IQ Force with IQ Management System helps you direct your fleet and your safety program with less effort:

- You own your data – you can access your fleet information at anytime and quickly find the data you need using custom reporting
- Get the right information to the right people with IQ Force's remote emailing feature
- View and manage your fleet, settings and data including instrument user and location assignments
- Lower your total cost of ownership while building safe habits, simplifying safety audits and managing your time more effectively



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Typical range of Gases Detected

Gas	Range
Combustible Gas (LEL)	0-99% LEL, 0-5% CH ₄
Oxygen (O ₂)	0-30% by Volume
Carbon Monoxide (CO)	
CO, H ₂ resistant (CO-H)	0-999 ppm
Hydrogen Sulphide (H ₂ S)	0-100 ppm
Duo-Tox Dual-Channel (CO/H ₂ S)	CO: 0-999 ppm (Provide specific readouts for CO and H ₂ S)
CO and H ₂ S	H ₂ S: 0-100 ppm

* Three sensor capability and four gas capability when using a Duo-Tox (CO/H₂S) sensor

Housing

Weight: 363 g without pump; 463 g with pump

Dimensions: 12 x 8.3 x 6.5 cm

Dimensions with Pump: 16 x 8.3 x 6.5 cm

Environmental

Operating Temperature: Normal Operating: 0° to 110°F (-18° to 43°C) Storage (ideal): 50° to 80°F (10° to 26°C)

Humidity Range: 20% to 90% RH continuous, 0% to 95% RH intermittent

Detector IP rating: IP65 / IP67

Pump: IP65; 50 ft. (15m) maximum tubing length

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

Warranty: 2 years on monitor and sensors

Approval: 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 / C-Tick

Part Number: 72-8010-25 IQ Force Monitor

81-8018-08 Ethernet Ready USB Docking Station

Distributed By

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