PORTABLES

UNOIQ

Personal, Rechargeable and Modular Single-Gas Monitor

A single-gas detector with industry-leading battery life, modular sensors, and seamless connectivity for enhanced safety.

UnoIQ is a rugged, reliable and compact single-gas detector, built to perform even in the toughest environments. With an industry-leading rechargeable battery, modular sensor technology, and seamless connectivity to Crowcon Connect via Bluetooth®, UnoIQ simplifies asset management while maximising safety and compliance.

FEATURES & BENEFITS

Modular, serviceable sensor trays

Easily swap out pre-calibrated sensor trays without manufacturer intervention, reducing downtime and maintenance costs. Additionally, the plug-and-play design provides flexibility to target different gases.

Unmatched battery life

With the longest rechargeable battery life in its class, UnoIQ requires just four charges over two years*, with quick recharge times (<4 hours) to ensure maximum uptime.

Seamless hub integration

'Dock and go' functionality with IQhub allows for automated bump testing (<10 seconds), calibration (<30 seconds), and compliance reporting.

Upgradeable to dual-gas detection

The only single-gas detector that can be upgraded to support two gases mid-life, offering flexibility as operational needs evolve.

Comprehensive sensor technologies

The only single-gas detector with every major sensor technology, including Molecular Property Spectrometer (MPS™), pellistor, photoionisation detector (PID), electrochemical, and infrared (IR) sensors.

Flexible data upload & connectivity

Options to upload data at multiple touchpoints to Crowcon Connect via Bluetooth® and Near Field Communication (NFC), enabling comprehensive compliance tracking. Advanced analytics provide insights to improve safety, compliance, culture, and performance.

Lightweight, compact design

With its compact design, UnoIQ delivers reliable performance in a lightweight form - measuring under 10cm in height and weighing only 135g**, ensuring portability and ease of use.

One button for multiple functions

Single-button operation simplifies the user experience with quick, intuitive control, reducing complexity and learning curves, while making the device more widely accessible.

Durable & reliable

Designed to withstand harsh environments, UnoIQ features robust ingress protection, minimising false readings and enhancing longevity.

Lower total cost of ownership

Achieve up to 30% savings over three years compared to other 2-year serviceable and disposable single-gas models on the market.

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DETECTING GAS. **SAVING LIVES.**

SPECIFICATIONS

DEVICE SPECIFICATIONS	
SIZE	Standard: 96 x 55 x 32 mm Deep tray: 106 x 55 x 32 mm
WEIGHT**	135g (Weight may vary depending on configuration)
DURABILITY	6m drop test
RESPONSE TIME (T90)	<10s (sensor dependent)
ALARMS	Visual, vibrating, audible (95dB at 10cm), low/high, TWA, STEL
DISPLAY	Backlit segment display
DATA LOGGING	Up to 500 event logs
POWER & BATTERY*	Toxics and O2: 65 days continuous, (6 months at 8 hour shifts) IR: 33 days (3 months at 8 hour shifts) MPS™: 20 days (2 months at 8 hour shifts) Pellistor: 24 hours continuous Recharge time <4 hours
SAMPLING	None
OPERATING TEMPERATURE RANGE	-20 to +55°C / -4 to +131°F
HUMIDITY	0-95% RH
INGRESS PROTECTION	IP66 & IP68
APPROVALS***	CSA US: Class I, Division 1, Groups A, B, C, D T4 ATEX: Ex II 1G Ex ia IIC T4 Ga IECEx: Ex ia da IIC T4 Ga INMETRO: Ex ia IIC T4 Ga RED/FCC/IC: Wireless
CALIBRATION & MAINTENANCE	Automatic bump tests (<10 seconds) and calibrations (<30 seconds) through IQhub; Manual bump and calibrations through device and PC software
ACCESSORIES	Power cable (device to USB-A & USB-C); Flow plate; IQhub
CONNECTIVITY	NFC & Bluetooth® (optional) required for connection to Crowcon Connect App
CROWCON CONNECT	Cloud-hosted web application for safety monitoring and asset management, offering real-time alarms, compliance dashboards, location tracking, device configurations, and essential reporting
SENSORS	Electrochemical, IR, MPS™, Pellistor, PID and Long life O_2
LANGUAGES	English
WARRANTY	2 years (sensor warranty separate)

***Certification: Pending

GASES & RANGES		
GAS	RANGE	RESOLUTION
Ammonia	0-100ppm	0.1ppm
Ammonia	0-1000ppm	1ppm
Butane	0-100% LEL	1% LEL
Carbon Dioxide	0-5% volume	0.1% volume
Carbon Monoxide	0-250ppm	1ppm
Chlorine	0-10ppm	0.01ppm
Flammable Gases MPS	0-100%	1% LEL
Hydrogen	0-40000ppm	400ppm
Hydrogen Sulfide	0-100ppm	0.1ppm
JetFuel	0-10000ppm	100ppm
Methane	0-100% LEL	1% LEL
Nitrogen Dioxide	0-20ppm	0.1ppm
Oxygen	0-25%	0.1% volume
Ozone	0-1ppm	0.01ppm
Sulphur Dioxide	0-20ppm	0.1ppm

Disclaimer
Due to ongoing research and product improvement, specifications are subject to change without notice. While every effort has been made to ensure accuracy in this document, no responsibility can be accepted for errors or omissions. Data may change, as well as legislation, and you are strongly advised to obtain copies of the most recently issued regulations, standards, and guidelines. This document is not intended to form the basis of a contract.

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