



The Impact range of portable multi-gas monitors is able to monitor and display up to four gases simultaneously

Impact Personal multi-gas monitors



Reliable Operation

- Pre-calibrated plug-in sensor cartridge
- High specification sensors
- Patented Surecell™ toxic sensors
- Stable and accurate

Easy to Use

- One button on/off
- Multi-lingual, intuitive menu system
- On screen prompts guide user
- Built-in correction factors for flammable gases
- Minimal training required

Easy to Maintain

- Plug-in operation for all serviceable parts
- Cartridge replacement in less than one minute
- Re-calibration in less than two minutes when using Enforcer
- Minimized cost of ownership

Durable Housing

- Waterproof to IP67
- Rugged and impact resistant
- Built for everyday use

Alarm Indication

- 3 levels of instantaneous alarm, time weighted average alarms on toxic
- Periodic confidence flash and bleep
- Increasingly rapid flashing, ultra-bright alarm LEDs
- Powerful two tone audible alarm
- Vibrating alarm for noisy environments*
- Safelink communications*

User Friendly Pre-entry Check

- Peak hold function and drop line
- Hand aspiration
- Built-in automatic pump*
- Totally flexible

*Impact Pro model only

The Impact range of portable multi-gas monitors is able to monitor and display up to four gases simultaneously. Using high specification flammable, oxygen and patented Surecell™ toxic sensors, our unique cartridge technology ensures safe, accurate and reliable measurements are always made.

Available in two configurations, the Impact and Impact Pro accepts either disposable and/or serviceable cartridges respectively, all of which are pre-calibrated and can be replaced in under one minute, so simplifying maintenance and minimizing cost wherever possible. Compact and rugged these monitors are designed for tough working environments while being small, lightweight and unobtrusive, making them ideal for use in confined spaces where entry and exit may be difficult.

Designed to work how you want to; gas checks prior to entering a confined space can be carried out using a drop line, hand aspirator or via an optional built-in pump (supplied as standard on the Impact Pro) that turns on and off automatically when the sampling tube is connected.

Ultra-bright alarm lights and a powerful audible alarm, coupled with a periodic green flash and bleep provide user confidence that monitoring is always in operation and alarms are never missed. For noisy environments a vibrating alarm is included as standard on the Impact Pro. A large, multi-lingual, backlit display, with intuitive menu system simplifies use and minimizes operator training.

Available for use with a wide range of accessories including the unique Enforcer calibration system and compliance friendly Safelink communication system, you can be sure that the Impact range of portable multi-gas monitors will be ready to protect you when most needed.



General Specification



General Specification

Use	Portable multi-gas monitor for the protection of personnel from up to four hazardous gases in the working environment.
Available to detect[#]	Flammable, Oxygen, Carbon Monoxide, Hydrogen Sulfide, Sulfur Dioxide, Chlorine, Nitrogen Dioxide, Ammonia, Carbon Dioxide.
User interface	Ultra clear, backlit, alphanumeric display. Intuitive push button menu system with user selectable operation in English, French, German, Italian, Spanish and Dutch. Other languages available upon request.
Configuration and data download	Supplied configured, ready to use including black box data-logging as standard. Configurable via optional PC software and base station for control of logging functions and data download.
Construction	Impact resistant plastic, anti-static to EN50014.
Dimensions	49mm x 84mm x 136mm (1.9" x 3.3" x 5.3").
Weight	Maximum 520g (18oz) including rechargeable battery and optional pump.
IP rating	Instrument IP67 (NEMA 4 & 6).
Operating temperature[#]	-20°C to +55°C (-4°F to +131°F).
Storage temperature[#]	Instrument -40°C to +80°C (-40°F to +176°F).
Humidity range[#]	Continuous 20 to 90%RH. Intermittent 0-99%RH non-condensing.
Alarms	3 levels of instantaneous alarm per channel. Time weighted average alarms on toxic channels. Supplied pre-set (user configurable via optional PC software and base station).
Audible alarm	Periodic confidence beep with differing dual tone for fault, gas alarm and warning rated 85dBA at 1m (90dBA at 1ft).
Visual alarm	Green confidence flash with rapid red flashing for fault, gas alarm and warning indication.
Battery performance	Ni-MH rechargeable, operating life > 10 hours (Charging time 7 hours). Dry cell disposable > 17 hours. Nominal reduction of 10% when used with pump.
Optional pump	Supplied as standard with Impact Pro. Typical flow rate 0.3l/min. Automatic start/stop feature with auto-test on start-up and flow fail alarm.
Approvals	USA: Class 1, Div 1, Groups A, B, C, D (UL). Canada: Class 1, Div 1, Groups A, B, C, D (CSA). Marine: Marine Equipment Directive MED 96/98/EC.
Standard supply	Each instrument is supplied complete with quick start guide, multi-lingual operating instructions on CD, dry cell battery holders and batteries, belt clip and flow adaptor. Fully configured and ready to accept either disposable or serviceable sensor cartridges the key considerations in selecting either the Impact or Impact Pro are highlighted below.

	Impact	Impact Pro
Cartridge type [#]	Disposable only	Disposable or Serviceable
Integral pump/pump adaptor	No	Yes
Vibrating alarm	No	Yes
Safelink	No	Yes

Ordering information

e.g. 2302B2000 9 U E = 2302B20009UE

TYPE	CERTIFICATION	LANGUAGE
8 Impact	U USA	E English*
9 Impact Pro	UL	F French
	Canada	G German
	CSA	I Italian
		S Spanish
		D Dutch
		*Default

Disposable or serviceable sensor cartridge must be ordered separately[#].

Optional accessories

A wide range of optional accessories are available including:
 Base station and Impact Configuration Utility (required for data download and configuration).
 Rechargeable NiMH batteries for use with base station or offline charger.
 Enforcer calibration system.
 Safelink communication system.
 Pre-entry sample probes including hand aspirator, 1m probe, tubing and ball float.
 Body harness and harness clip offering alternate mounting arrangements.
 Field case for housing of all accessories as required.

[#] Refer to cartridge datasheet for gas specific data.

* Oxygen detection products must only be used to detect oxygen depletion in air.

As World leaders in gas detection solutions, Honeywell Analytics' Lumidor range is best placed to provide the most efficient, practical and cost-effective equipment. Wherever personal protection is required, you can rely on our equipment to provide practical solutions and to help keep your business running safely.

The Lumidor range of portable gas detection



MicroMAX Pro



MicroMAX +



MicroMAX PID



Minimax XT



Minimax XP



Minimax X4

MicroMAX range

With lifetime warranties*, the MicroMAX range offers the most robust microprocessor controlled multi-gas monitors available. Providing all the personal gas protection features you require, MicroMAX monitors can handle the very toughest working conditions.

*Lifetime warranty excludes sensors, batteries and pump.

Minimax range

The Minimax range provides personal single and multi-gas protection and operational compliance in industrial environments. They are ideal for people working in areas that are not easily accessible and/or where fixed detection systems are not installed or not practical.



Impact and Impact Pro

Impact and Impact Pro are ideal for providing personal protection against gases in tough environments, especially in confined spaces where entry and exit may be difficult. The Impact range provides easy and economical means of personal gas detection to meet compliance requirements. The Safelink Entrant/Attendant function ensures safe working practices are followed.

Find out more

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Enforcer

The Enforcer helps you to easily (and cost-effectively) comply with regulations requiring the regular testing of instruments. Because it can calibrate Impact multi-gas monitors within less than two minutes, the instruments are always ready for use. It also reduces cost by avoiding the need for specialist knowledge and equipment, or sub-contracting to expensive third parties, which also adds delays.



Safelink

Safelink adds an extra safety dimension, enabling two-way communication in difficult areas. Easy to use, the system links two Impact Pro multi-gas monitors together, allowing a co-worker in a confined space to be monitored remotely, as well as providing a way of exchanging messages.

Please Note:

While every effort has been made to ensure accuracy in this publication, 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 publication is not intended to form the basis of a contract.
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H_IMPRO-DS_Rev 1

09/05

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