

# Impact Pro

Personal Multi-Gas Detector.

## Introduction

The Impact Pro gas detector is safe, small, lightweight, battery-powered and rugged - ideal for areas where there is a risk of exposure to toxic or flammable gases. The Impact Pro multi-gas detector accepts serviceable and / or disposable cartridges, are pre-calibrated and ready to go from the box.

## Key Features

- Reliable operation.
- Easy to use.
- Low maintenance.
- Durable housing
- Advanced optional features.
- Alarm indication.
- User friendly pre-entry check.

## Key Benefits

- One touch calibration.
- Cartridge replacement in less than one minute.
- IP67 rated durable housing that protects against dust/water ingress.



# Technical Specifications

[www.unitedsafety.net](http://www.unitedsafety.net)

## Impact Pro

Personal Multi-Gas Detector.

Technical Specifications	
Use	Portable multi-gas monitor for the protection of personnel from up to four hazardous gases in the working environment
User Interface	Ultra clear, backlit, alphanumeric display. Intuitive push button menu system with user selectable operation in English, French, German, Italian, Spanish and Dutch.
Configuration and Data Download	Supplied configured, ready to use including black box datalogging as standard. Configurable via optional PC software and base station for enhanced control of logging functions and data download
Construction	Impact resistant plastic, anti-static to EN50014
Dimensions	1.9x3.3x5.3" (49x84x136mm)
Weight	Maximum 520g (18oz) including rechargeable battery and optional pump
IP Rating	IP67 (Minimum)
Operating Temperature	-4°F to 131°F (-20°C to 55°C)
Storage Temperature	Instrument -40°F to 176°F (-40°C to 80°C)
Humidity Range	Continuous 20 to 90%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 1 m (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

Gas	Code	Range	Disposable	Serviceable	Catalytic Bead	IR Cell	Electrochemical
Oxygen (O <sub>2</sub> )	O	0-25% v/v	Always fitted	Always fitted			X
Flammable	F	0-100% LEL	Always fitted	One catalytic sensor always fitted	X		
Flammable IR %LEL	R	0-100% LEL	Not available	IR Sensor always fitted		X	
Flammable IR %VOL	V	0-100% VOL	Not available	IR Sensor always fitted		X	
Carbon Monoxide (CO)	C	0-500 ppm	O				X
Hydrogen Sulfide (H <sub>2</sub> S)	H	0-50 ppm	O				X
Sulfur Dioxide (SO <sub>2</sub> )	S	0-20 ppm					X
Chlorine (Cl <sub>2</sub> )	L	0-10 ppm					X
Nitrogen Dioxide (NO <sub>2</sub> )	N	0-20 ppm					X
Amonia (NH <sub>3</sub> )	A	0-100 ppm					X
Carbon Dioxide (CO <sub>2</sub> )	D	0-2% v/v					X
Carbon Dioxide (CO <sub>2</sub> ) IR	T	0-5% v/v				X	