Impulse XP

Tough Durable Housing

- Small and lightweight
- Rugged, impact and weather resistant
- Includes crocodile clip - clips anywhere to prevent accidental loss

Easy to Use

- Works straight out of the box
- Single button on/off operation
- Intuitive icons suitable for all languages
- User configurable via menu
- Interactive product training guide available

Ultra Clear Backlit Display

- Continuous reading of gas levels
- TWA/STEL and two instantaneous alarm levels with peak hold facility
- Battery life, calibration and self-test status

Effective Gas Alarm Indication

- Alarm and backlight combine to demand attention
- Distinctive 95dB two-tone audible alarm
- Vibrating alarm supplied as standard

Reliable Operation

- Self-test on start up or on demand checks display, battery, sensor, audiovisual and vibrating alarms
- Uses patented #SureCell™ and † Reflex™ sensor technology
- Includes TempraSURE™ thermal compensation and shock protection
- Periodic flash and/or beep for increased confidence

Unsurpassed EMC/RFI Performance

- No false alarms due to walkie-talkies or mobile phones
- Exceeds the toughest industrial standards for RFI immunity

Cost Effective

- Fully inclusive 2 year warranty
- Cell decay compensation enables up to 12 months between calibrations (H_2S/CO only)
- Replaceable sensor and battery
- Minimum 2 year sensor life
- Typical 3 year battery life* (low battery warning)
- Initial and on-going running costs minimised

The Impulse XP is all about preferences. It delivers advanced, full feature functionality, user configurability with cost effective serviceability for a wide range of toxic gases.

The market demands more than small size and good looks in a new generation single gas monitor.

A compact and rugged design, maintenance that's easy while providing simple operation is essential.

With loud, ultra-bright audiovisual alarm, XP demands attention when gas is detected. For noisy environments, a built-in vibrating alarm is supplied as standard.

Impulse XP delivers all of the above while still ensuring reliable, accurate readings and no false alarms from radio frequency interference (RFI). In addition Impulse XP provides continuous gas readings, TWA/STEL and two instantaneous alarms with peak hold facility.

By using #SureCell™ sensors with TempraSURE™ Thermal Shock Correction and Reflex™ Sensor Protection, Impulse XP ensures improved accuracy and reliability in adverse operating conditions.

Maintenance could not be easier. Built-in Cell Decay Compensation extends the time between calibrations to 12 months. With typical sensor life in excess of two years and three year battery life*, operational costs are minimised. Batteries and sensors can be easily replaced by the user. Alternatively, Honeywell Analytics offers a wide range of service programs to meet our customer needs world-wide.

General Specification

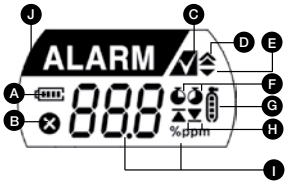
Standard Specification

Gases Detected	Range	Alarm Set Points Level 1	Level 2	STEL	TWA
Oxygen (O_2)	0 to 30% v/v	23.5% v/v	19.5% v/v	n/a	n/a
Carbon Monoxide (CO)	0 to 999ppm	35ppm	100ppm	400ppm	35ppm
Hydrogen Sulphide (H_2S)	0 to 250ppm	10ppm	15ppm	15ppm	10ppm
Sulphur Dioxide (SO_2)	0 to 150ppm	2ppm	5ppm	5ppm	2ppm
Chlorine (Cl_2)	0 to 50ppm	0.5ppm	1ppm	1ppm	0.5ppm
Hydrogen Cyanide (HCN)	0 to 100ppm	5ppm	10ppm	10ppm	5ppm
Nitrogen Dioxide (NO_2)	0 to 150ppm	3ppm	5ppm	5ppm	3ppm
Ammonia (NH_3)	0 to 100ppm	25ppm	50ppm	35ppm	25ppm
Ammonia (NH_3)	0 to 400ppm	35ppm	50ppm	35ppm	25ppm
Hydrogen (H_2)	0 to 999ppm	100ppm	500ppm	n/a	n/a
Phophine (PH_3)	0 to 2ppm	0.3ppm	1ppm	1ppm	0.3ppm

Construction	
General	Serviceable, portable single gas monitor for personal protection against Oxygen and toxic gas hazards
Calibration	Time between calibrations is maximised utilizing cell decay compensation facility. The maximum time between calibrations is 12 months#
Operating Life	Sensor (replaceable) Minimum of 2 years Battery (replaceable) 3 years*
Operating Temperature	-20°C to +50°C (-4°F to +122°F) (temperature compensated)
Humidity	5-95% RH (non-condensing)
Audible Alarm	95db at 10cm (4in)
Visual Alarm	High intensity Red LEDs
Vibrating Alarm	Standard
Display	Ultra clear backlit LCD displays gas levels & instrument status
Sensor Type	Electrochemical (replaceable)
Battery Type	Lithium CR2, 3.0V (replaceable)
Diagnostics	Self-test of circuitry, battery, LCD, and software. Sensor test using patented Reflex† sensor technology
Environmental	
IP Rating	IP54 (Minimum)
Intrinsic Safety	North America: Class 1, Div 1, Groups A, B, C, D, T4 (UL/cUL) Europe: EEx ia IIB T4 (CENELEC) II 2G EEx ia IIC T4 (ATEX)
RFI/EMC	CE EN50270:1999 and EN55011
Dimensions	93mm (H) x 50mm (W) x 27mm (D) (3.6" x 2" x 1.1") excluding clip
Weight	Toxic 81.5g (2.8oz) Oxygen 93.0g (3.3oz)

*Operating Life may be reduced by excessive alarms †Reflex not available on all sensors #H_2S/CO only
*Oxygen detection products must only be used to detect oxygen depletion in air

Display Details



- (A) Battery
- (B) Fail
- (C) Self-test pass icon
- (D) Level 1: O_2 and toxics
Level 2: Toxics
- (E) Level 2: O_2
- (F) STEL/TWA alarm
- (G) Cal. Status icon
- (H) Low peak (O_2), High peak (O_2 and toxics)
- (I) Gas concentration and units
- (J) Alarm icon