

**Impulse XT RTD is a real-time reading single gas detector with two-year, always-on operation, durable IP67**

# Impulse XT RTD



## Cost Effective

- No calibration required
- Unit may be calibrated if site procedures necessitate
- Real-time gas concentrations display
- Remaining lifetime visible by pressing the one and only button
- 24 month continuous operation
- Low cost investment

## Easy to Use

- Out-of-the-box solution
- One button operation
- Optional Interactive Training Guide available

## Excellent EMC/RFI Performance

- No false alarms due to walkie-talkies or mobile phones
- Exceeds with toughest industrial standards for RFI immunity and EMC compatibility

## Reliable Operation

- Uses patented SureCell™ (CO and H<sub>2</sub>S only) and Reflex™\* technology
- Stable and accurate gas readings
- Intrinsically safe
- Real-time display

## Compact Design

- Small ergonomic design
- Lightweight
- Comfortable to wear

## Durable housing

- Rugged and impact resistant
- Weather resistant
- Dust & Waterproof to IP67

## Versatile clip design

- Comes with crocodile clip – clips anywhere, prevents accidental loss

## Large Display

Uses distinctive icons to illustrate:

- Battery life status
- Actual real-time gas reading
- Last peak reading
- Remaining lifetime
- Alarm status
- Test status

## Demanding Alarms

- Distinctive two-tone alarm
- Rapid flashing alarm alerts user of danger
- Vibrating alarm signals alarm in progress
- Low battery alarm – indicates unit nearing end of life

**Impulse XT RTD was inspired by customer needs and technically crafted to be quite simply the easiest and most cost effective to use personal single gas unit on the market. Utilising patented Surecell™ and Reflex™ technology, the Impulse XT RTD provides 24/7 user confidence. That means solid, reliable, continuous monitoring and protection... always.**

Through our Customer Partner Program, Honeywell Analytics identified that the market demanded more than tiny good looks. Our valued partners said that in addition to a small and rugged design, single gas monitors must offer comprehensive sensor options, simple operation and most importantly reliable, accurate real-time readings – without false alarms triggered by common radio interference.

Simple one button operation reduces time consuming and costly training. Our unique Temperature Compensation and Cell Output Decay Compensation features ensure improved accuracy across wide temperature ranges, providing our two-year, no calibration needed facility.

Impulse XT RTD is your out-of-the-box solution to simple, “Xtra Sensory Detection.”



# General Specification

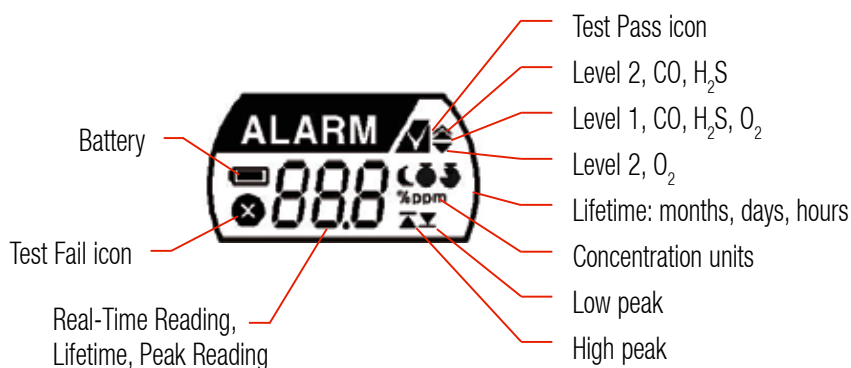


Standard Specification			
<b>General</b>	Disposable single gas monitor for the protection of personnel against toxic and Oxygen gas hazards		
<b>Maximum operating life</b>	Two years after activation		
<b>Shelf life</b>	12 months before activation (CO and H <sub>2</sub> S), six months before activation (O <sub>2</sub> )		
<b>Sensor range</b>	Carbon Monoxide CO	0-1000ppm (display: 0-200ppm)	
	Hydrogen Sulphide H <sub>2</sub> S	0-100ppm (display: 0-100ppm)	
	Oxygen O <sub>2</sub>	0-30.0% v/v (display: 0-25.0%v/v)	
<b>Alarm set points</b>	CO	Level 1: 35ppm	Level 2: 100ppm
	H <sub>2</sub> S	Level 1: 10ppm	Level 2: 15ppm
	O <sub>2</sub>	Level 1: 23.5%	Level 2: 19.5%
<b>Calibration</b>	CO/H <sub>2</sub> S	Zero adjustment (optional Span)	
	O <sub>2</sub>	Span adjustment	
<b>Operating temperature</b>	-20°C to +50°C (-4°F to 122°F)		
<b>Humidity</b>	5-95% RH (non-condensing)		
<b>Audible alarm</b>	95db at 10cm (4in)		
<b>Visual alarm</b>	High intensity red LEDs		
<b>Vibrating alarm</b>	Supplied as standard		
<b>Display</b>	Custom LCD		
<b>Sensor type</b>	Electrochemical		
<b>Battery</b>	3.6V non-replaceable Lithium battery		
<b>IP rating</b>	IP67 (NEMA 4 & 6)		
<b>Intrinsic safety</b>	Europe: EEx ia IIB T4 (CENELEC), II 2G EEx ia IIC T4 (ATEX) North America: Class 1, Div 1, Groups A, B, C, D T4 (UL/cUL)		
<b>RFI/EMC</b>	CE EN50270:1999 and EN55011		
<b>Dimensions</b>	87mm (H) x 50mm (W) x 27mm (D) (3.4"(H) x 2"(W) x 1.1"(D))		
<b>Weight</b>	CO/H <sub>2</sub> S	73g (2.57oz)	
	O <sub>2</sub>	82.3g (2.90oz)	

\*Reflex™ not available for all sensors

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

## Display Details



# Our Product Range



## Fixed Gas Monitoring

Honeywell Analytics offers a wide range of fixed gas detection solutions for a diverse array of industries and applications including: Commercial properties, industrial applications, semiconductor manufacturers, energy plants and petrochemical sites.

- » Detection of flammable, oxygen and toxic gases (including exotics)
- » Innovative use of 4 core sensing technologies – paper tape, electrochemical cell, catalytic bead and infrared
- » Capability to detect down to Parts Per Billion (ppb) or Percent by Volume (%v/v)
- » Cost effective regulatory compliance solutions

## Portable Gas Monitoring

When it comes to personal protection from gas hazards, Honeywell Analytics has a wide range of reliable solutions ideally suited for use in confined or enclosed spaces.

These include:

- » Detection of flammable, oxygen and toxic gases
- » Single gas personal monitors – worn by the individual
- » Multi-gas portable gas monitors – used for confined space entry and regulatory compliance
- » Multi-gas transportable monitors – used for temporary protection of area during site construction and maintenance activities

## Technical Services

At Honeywell Analytics, we believe in the value of great service and customer care. Our key commitment is providing complete and total customer satisfaction. Here are just a few of the services we can offer:

- » Full technical support
- » Expert team on hand to answer questions and queries
- » Fully equipped workshops to ensure quick turnaround on repairs
- » Comprehensive service engineer network
- » Training on product use and maintenance
- » Mobile calibration service
- » Customised programmes of preventative/corrective maintenance
- » Extended warranties on products

### Find out more

[www.honeywellanalytics.com](http://www.honeywellanalytics.com)

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