



personal multigas monitor

The Impact portable multigas monitor is able to monitor and display up to four gases simultaneously. These include flammable, oxygen, carbon monoxide and hydrogen sulfide gases. Impact uses high specification sensors that are continually checked using patented Reflex* technology to ensure safe, accurate and reliable measurements are always made.

The disposable sensor cartridge is pre-calibrated and can be replaced in under one minute and then re-calibrated in less than two minutes using Enforcer, a unique calibration accessory designed to simplify the operation, reduce downtime and minimise cost wherever possible.

Impact is a compact and rugged detector designed for tough environments. Small, lightweight and unobtrusive it is ideal for use in confined spaces where entry and exit may be difficult. Impact is designed to work how you want it 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 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. In addition, Impact uses a large, multi-lingual, backlit display with intuitive menu system to ease use and minimise operator training.

Supplied complete with all necessary accessories Impact is ready for use out of the box.

Reliable Operation

- Pre-calibrated plug-in sensor cartridge
- High specification sensors
- Stable and accurate
- Reflex* technology minimises unforeseen failures

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 under one minute
- Re-calibration in under two minutes when using Enforcer
- Low cost of ownership

Durable Housing

- Rugged and impact resistant
- Weatherproof
- 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

User Friendly Pre-entry Check

- Peak hold function and drop line
- Hand aspiration
- Optional built-in automatic pump
- Totally flexible

UK AND INTERNATIONAL ENQUIRIES:

Zellweger Analytics Limited
 Hatch Pond House, 4 Stinsford Road,
 Nuffield Estate, Poole, Dorset, BH17 0RZ, UK
 Tel: +44 (0)1202 676161
 Fax: +44 (0)1202 678011
 Email: sales@zelana.co.uk

ASIA PACIFIC:

Zellweger Analytics Limited
 Asia Pacific Regional Office,
 84 Tuas Avenue 11, Singapore 639098
 Tel: +65 862 7701
 Fax: +65 862 3858
 Email: zalasia@singnet.com.sg

BELGIUM:

Zellweger Analytics NV
 Leuvensesteenweg 392a,
 Chee de Louvain, B-1932 Zaventem, Belgium
 Tel: +32 27140311
 Fax: +32 27140344
 Email: zabl@zelana.com

FRANCE:

Zellweger Analytics France SA
 62 avenue de l'Europe,
 ZI de la Malnove, 77184 Emerainville, France
 Tel: +33 1 60 95 45 46
 Fax: +33 1 60 95 45 50

GERMANY:

Zellweger Analytics GmbH
 Sollner Strasse 65b,
 D-81479 Munchen, Germany
 Tel: +49 89 791 920
 Fax: +49 89 791 9243
 Email: vertriebscenter@zelana.de

ITALY:

Zellweger Analytics srl
 Via F. Primaticcio 168, I-20147 Milano, Italy
 Tel: +39 0248 3391
 Fax: +39 0248 3023 14
 Email: zaitaly@zelana.com

MIDDLE EAST:

Zellweger Analytics Limited
 PO Box 52196, Dubai, UAE
 Tel: +971 4 3458 338
 Fax: +971 4 3458 778
 Email: zelana@emirates.net.ae

NETHERLANDS:

Zellweger Analytics BV
 Tolweg 10, Postbus 157, NL-3740 AD,
 Baarn, Netherlands
 Tel: +31 (0)355435646
 Fax: +31 (0)355435929
 Email: zabl@zelana.com

SPAIN:

Zellweger Analytics SA
 Avda Remolar 31, 08820 El Prat de Llobregat,
 Barcelona, Spain
 Tel: +34 93 379 9611
 Fax: +34 93 379 8551
 Email: zellana@jet.es

USA:

Zellweger Analytics Inc
 4331 Thurmond Tanner Road, Flowery Branch,
 Georgia 30542, USA
 Tel: +1 770 967 2196
 Toll free: +1 800 535 0606
 Fax: +1 770 967 1854
 Email: sales@zelana.com

Represented by:

Impact Specification

Use	Portable multigas monitor for the protection of personnel from up to four hazardous gases in the working environment				
Technique used	Flammable	Pellistor			
	Oxygen and toxic	Electrochemical			
Gases	Range	Response Time (T90)	Repeatability	Impact	Impact Pro
<i>Flammable gas</i>	0-100%LEL	< 10s	±3%lel	•	•
<i>Oxygen</i>	0-25%v/v	< 10s	±0.3%v/v	•	•
<i>Carbon monoxide</i>	0-500ppm	< 30s	±12.5ppm	•	•
<i>Hydrogen sulfide</i>	0-50ppm	< 30s	±2.5ppm	•	•
<i>Sulfur dioxide</i>	0-20ppm	< 60s	±1ppm		•
<i>Chlorine</i>	0-10ppm	< 60s	±0.5ppm		•
<i>Chlorine dioxide</i>	0-5ppm	< 60s	±0.2ppm		•
<i>Nitrogen dioxide</i>	0-20ppm	< 60s	±1ppm		•
<i>Ammonia</i>	0-100ppm	< 90s	±5ppm		•
<i>Carbon dioxide</i>	0-3% v/v	< 150s	±0.2%v/v		•
Construction	Impact resistant plastic, anti-static to EN50014				
Dimensions	49mm x 84mm x 136mm (1.9" x 3.3" x 5.3")				
Weight	520g (18oz) including rechargeable battery and optional pump				
IP Rating	Instrument IP65, cartridge IP 54 (Instrument NEMA 4X, Cartridge NEMA 4)				
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)			
	Cartridge	-10°C to +30°C (-14°F to +86°F)			
Humidity range	20 to 90%RH continuous				
Audible alarm	Periodic confidence beep with alternative sounds for fault, gas alarm and warning 85dBa at 1m (90dBa at 1ft), dual tone				
Visual alarm	Green confidence flash with rapid red flashing for fault, gas alarm and warning indication				
Battery performance	NiMH rechargeable, operating life > 12 hours - (Charging time 4 hours)				
	Dry cell disposable > 20 hours				
Optional sample pump	0.5 litres/minute over 20m (66') using 4mm (0.17") internal diameter tubing				
	Flow fail detection switches pump off and raises fault alarm. Automatic start/stop system				
Approvals	Europe	CENELEC (ATEX) EEx ia d IIC T4			
	North America	UL/CSA Ex ia Class 1 Div 1 Group A, B, C, D			

Instrument Supplied Complete With:

- Rechargeable NiMH batteries
- Disposable dry cell battery holders
- Base station (combined charger and data interface)
- Power supply (mains)
- Flow hood
- Event data-logging
- Multimedia CD c/w manual and PC configuration software
- PC link cable
- Quick start manual (multi-lingual)
- Belt clip
- Body harness

Optional Accessories/Upgrades

- Built-in pump
- Full event and timed data-logging
- Enforcer calibration accessory
- Hand aspirator
- Sample tubing
- 1m (3 foot) sample probe
- Ball float c/w in-line filter
- Earpiece
- Vehicle mounted charger
- Webbing clip
- Offline trickle charger
- Field case