



**Simple portable test and calibration  
of Impact multi gas monitors**

# Enforcer



## Convenient to Use

- Portable design
- Lightweight and compact
- Disposable multi gas cylinder
- Wall mounting bracket with security fixing included

## Easy to Operate

- Simple mechanical construction
- Attach the Impact
- Instrument is automatically recognised
- Press a single button to proceed
- Wait a minute
- Impact is now tested and calibrated
- Minimal training required

## Minimize Running Costs

- No need for third parties
- Reduce instrument downtime
- Simplify operations

## Easy to Maintain

- Durable plastic housing
- Wipe clean surfaces
- Replaceable gaskets and seals
- Built-in indicator tells you when gas needs replacing

## Maintain Records

- Calibration history recorded by instrument
- Print history via optional PC software
- Ensure compliance with regulations

**Regulations require regular testing of gas monitoring equipment to ensure that the instrument will work as and when required. The Enforcer allows you to easily comply with regulations when using an Impact multigas monitor without the need for costly test facilities or third parties.**

'Bump' testing should be carried out before use of any portable gas detector. This involves exposing each gas sensor to a known concentration of target gas and ensuring that it responds correctly. If not, the unit must be re-calibrated or serviced to replace those parts not working.

Personal gas monitors are normally calibrated every 3 to 6 months. Typically this requires specialist knowledge and equipment that is costly or the work is sub-contracted to a third party. During this time instruments are not available for use and so could delay essential operations or force additional monitors to be purchased.

The Enforcer calibrates Impact multigas monitors fitted with oxygen, flammable, carbon monoxide and hydrogen sulfide sensors in less than two minutes. Volumes and flow rates are minimized to allow approximately 200 calibrations per cylinder of gas making calibration as low in cost as a 'Bump' test.

Impact instruments when used with The Enforcer are always available for use. Calibration results are recorded for printing at a later date via the optional PC software thereby ensuring that instrument histories are always available if required.



# General Specification



## Enforcer Specification

<b>Use</b>	Test and calibration accessory for use with Impact multigas monitor when fitted with oxygen, flammable, carbon monoxide and hydrogen sulfide sensors
<b>Technique</b>	A controlled amount of gas is applied to the instrument. The response is compared against historical data obtained during manufacture and if within tolerance automatic adjustment of readings is made
<b>Construction</b>	Poly Carbonate
<b>Dimensions</b>	170mm x 145mm x 560mm * (7" x 5.7" x 22") * <small>*Maximum length includes cylinder and sliding tray in open position</small>
<b>Weight</b>	1.34Kg (47oz)
<b>Ordering information</b>	Enforcer with multi gas cylinder: 2302B0831 (EN50054), 2302B1336 (EN61778) Enforcer excluding multi gas cylinder: 2302B0650

## Multi gas Cylinder Specification

<b>Contents</b>	100ppm Carbon Monoxide 40ppm Hydrogen Sulfide 2.5% Methane (CH4) 15% Oxygen Nitrogen balance
<b>Accuracy</b>	+/-5%
<b>Number of applications per cylinder (calculated)</b>	>200
<b>Type</b>	2AL
<b>Standards</b>	Europe - One fill valve in accordance with prEN12205 USA / R.O.W. - DOT 39 Standard
<b>Dimensions (approx.)</b>	80mm x 240mm (3.1" x 9.5")
<b>Weight</b>	0.44Kg (16oz)
<b>Pressure</b>	34 bar (maximum)
<b>Ordering information</b>	Multi gas calibration gas cylinder: 2302D0833 (EN50054), 2302D0761 (EN61779)

**1**

- Screw the multi gas cylinder into Enforcer
- Check the pressure gauge to ensure the cylinder is not empty

**2**

- Open the Enforcer by pulling the sliding tray forward
- The tray 'locks' open when lowered in its tracks



**3**

- Turn on and insert the Impact to be calibrated. The instrument may be zeroed in fresh air first if required
- Ensure that the instrument is locked into position on the guides located on the sliding tray



**4**

- Close the sliding tray by lifting the handle
- When closed Impact will automatically recognise the Enforcer and prompt the user to continue



**5**

- Press the button to calibrate the Impact
- Calibration can take between 45 and 90 seconds subject to the age of the instrument
- Upon completion Impact will display the results of the calibration
- Results may be downloaded via the PC software and printed for report purposes if required

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.

#### 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.

© 2005 Honeywell Analytics

H\_Enforcer\_DS0278\_V1  
12/2005

© 2005 Honeywell Analytics

### Find out more

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

### Customer business centre

#### Europe and the rest of the world

Honeywell Analytics AG  
Wilstrasse 11-U11  
CH-8610 Uster  
Switzerland  
Tel: +41 (0)44 943 4300  
Fax: +41 (0)44 943 4398  
[sales@zelana.co.uk](mailto:sales@zelana.co.uk)

### Customer business center

#### Americas

Honeywell Analytics Distribution, Inc.  
400 Sawgrass Corporate Pkwy  
Suite 100  
Sunrise, FL 33325  
USA  
Tel: +1 954 514 2700  
Toll free: +1 800 538 0363  
Fax: +1 954 514 2784  
[sales@zelana.com](mailto:sales@zelana.com)

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

### 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.



### 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.

## Authorized Distributor:



**GASDETECTORSTORE.COM**

Authorized Distributor of Honeywell Analytics Products

Operated by Optimum Energy Products Ltd  
#333 11979 40th St SE Calgary AB Canada T2Z 4M3

Toll Free:

1-877-766-5412

Main:

403-256-3636

Fax:

403-256-3431

Email:

[info@gasdetectorstore.com](mailto:info@gasdetectorstore.com)

**Honeywell**