



**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

Minimise Running Costs

- No need for third parties
- Reduce instrument downtime
- Simplify operations
- Minimise gas consumption

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 multi-gas 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 multi-gas monitors fitted with Oxygen, flammable, Carbon Monoxide and Hydrogen Sulphide sensors in less than two minutes. Volumes and flow rates are minimised 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	
Use	Test and calibration accessory for use with Impact multi-gas monitor when fitted with Oxygen, flammable, Carbon Monoxide and Hydrogen Sulphide sensors
Technique	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 are made
Construction	Polycarbonate
Dimensions	170mm x 145mm x 560mm * (7" x 5.7" x 22") * <small>*Maximum length includes cylinder and sliding tray in open position</small>
Weight	1.34kg (47oz)
Ordering information	Enforcer with multi-gas cylinder: 2302B0831 (EN50054 UL version), 2302B1336 (EN61778 ATEX version) Enforcer excluding multi-gas cylinder: 2302B0650
Multi-gas Cylinder Specification	
Contents	100ppm Carbon Monoxide 40ppm Hydrogen Sulphide 2.2%v/v or 2.5%v/v Methane (CH ₄) 15%v/v Oxygen Nitrogen balance
Accuracy	+/-5%
Number of applications per cylinder (calculated)	>200
Type	2AL
Standards	Europe - One fill valve in accordance with pr EN12205 USA / R.O.W. - DOT 39 Standard
Dimensions (approx.)	80mm x 240mm (3.1" x 9.5")
Weight	0.44kg (16oz)
Pressure	34 bar (maximum)
Ordering information	Multi-gas calibration gas cylinder: 2302D0833 (EN50054 UL version), 2302D0761 (EN61779 ATEX version)

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

Honeywell Analytics Gas Detection



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