

STATUS SCIENTIFIC CONTROLS

Status Mentor PGD2

PORTABLE GAS DETECTION EQUIPMENT



The Professional 'PGD2 ATEX' Gas Detector

With Proven Reliability and Ultra-Low Cost of Ownership



Key Features

- Ultra low cost of ownership – because of the instrument's proven robustness
- Instrument and sensors guaranteed for two years
- Designed for rugged environments - can withstand physical abuse and short-term immersion in water
- Impact and Water Resistance to IP66
- Pre-programmed internal flammable gas menu
- Data logging facility available as standard
- 360° Visual Alarm
- In-vehicle charging systems available

The Status Scientific Controls **Mentor PGD2 ATEX** is an intrinsically safe portable multi-gas instrument manufactured in the United Kingdom for use in Group II potentially explosive atmospheres. The instrument is intended to be used for the protection of personnel entering or working within an environment where a gas hazard may or is known to exist.

It can be fitted with up to 4 sensors in various combinations of flammable, oxygen and toxic gases to provide simultaneous monitoring of each gas.

Using the PC Interface facilities, automatic data logging allows exposure levels to be stored for down loading to a personal computer and data retrieval following any incidents.

The pre-programmed flammable gas menu

PC Interface Facilities

FLAMMABLE GAS MENU	
Via the 'MENU' select button any one of a number of flammable gases may be chosen as show below, these are monitored by a common sensor	
Methane	MEK
Ethane	Ketone
Propane	Ethylene
Butane	IPA
Pentane	Propylene
Hexane	Triethylamine
Heptane	Hydrogen
Nonane	Others -user defined
Methanol	via PC software



Specification



Size	185mm high x 108mm wide x 50mm deep (excluding case)
Weight	1Kg
No. of Gases	Up to four
Gas Types	Flammable, Toxic, Oxygen
Certification Data	Certificate No. Baseefa 03ATEX0235X Code II 2G EEx ia IIC T3
Power Source	Rechargeable battery pack type PGD/BATT
Minimum operating time	12 hours
Visual indications	i) 2 x 16 character LCD display with backlight ii) Large flashing red lens section used to indicate alarm conditions.
Audible indication	Electromagnetic alarm in red lens section
Alarm levels	Flammable : single level instant alarm Toxic (each sensor) : 3 levels - instant, STEL, LTEL Oxygen : 2 levels - instant low, instant high
COSHH monitoring	Automatic calculation of STEL and LTEL readings.
Data Logging	i) Automatic variable rate according to gas concentrations, or ii) Fixed rate, or iii) Off
Display formats	i) Chemical units (ppm, %, LEL), or ii) go / nogo format (available on request)
Controls	i) Front panel - on/off, right arrow, left arrow, on/off/menu ii) Top panel - display backlight, alarm mute
Temperature range	i) Operating -5 to +40 ° C ii) Storage -20 to +50 ° C
Environmental Rating	IP66
Humidity range	15% to 95% relative humidity, non-condensing. Operation is possible in the range 0-100% R.H however; sensor life will be reduced by continuous operation at extremes of humidity and temperature.
Electromagnetic compatibility	CE Marked, Tested to EN50081-2, EN50082-1, EN55022 (Limit B)
Air Pressure Operating Range	920 mbar to 1150 mbar