

# STATUS SCIENTIFIC CONTROLS

Status Mentor PGD3-IR

PORTABLE GAS DETECTION EQUIPMENT

STATUS



SCIENTIFIC

## The Professional PGD3-IR Gas Detector

*With Proven Reliability and Ultra-Low Cost of Ownership*

### Key Features



- Uniquely equipped with two independent infrared sensors providing hydrocarbon and CO<sub>2</sub> monitoring
- Instrument and sensors guaranteed for two years
- Designed for rugged environments - can withstand physical abuse and short-term immersion in water
- Large, backlit graphical display
- Data logging facility available as standard
- 360° Visual Alarm

The Status Scientific Controls **Mentor PGD3-IR** 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 exist.

It can be fitted with up to 4 sensors using various detection techniques to monitor flammable gases, oxygen and toxic gases. Combinations can include two infrared sensors, one infrared sensor, plus oxygen and toxic sensors. The flammable infrared sensor does not detect hydrogen - should this be a gas required then an electrochemical hydrogen sensor may be fitted.

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.

### PC Interface Facilities



## Specification

<b>Size</b>	185mm high x 108mm wide x 50mm deep (excluding rubber case)
<b>Weight</b>	1Kg
<b>No. of Gases</b>	Up to four
<b>Sensor Types</b>	Infrared, electrochemical
<b>Certification Data</b>	Certificate No. Baseefa 03ATEX0235X Code II 2 G EEx ia IIC T3
<b>Power Source</b>	Rechargeable nickel-cadmium battery pack type PGD/BATT
<b>Minimum operating time</b>	12 hours
<b>Visual indications</b>	i) 100 X 32 pixel LCD graphical display with backlight ii) Large flashing red lens section used to indicate alarm conditions.
<b>Audible indication</b>	Electromagnetic alarm in red lens section
<b>Alarm levels</b>	Flammable : single level instant alarm Toxic (each sensor) : 3 levels - instant, STEL, LTEL Oxygen : 2 levels - instant low, instant high
<b>COSHH monitoring</b>	Automatic calculation of STEL and LTEL readings.
<b>Data Logging</b>	i) Automatic variable rate according to gas concentrations or ii) Off
<b>Display formats</b>	i) Chemical units (ppm, %, LEL), or ii) go / nogo format (available on request)
<b>Controls</b>	i) Front panel - on/off, right arrow, left arrow, on/off/menu ii) Top panel - display backlight, alarm mute
<b>Temperature range</b>	i) Operating -5 to +50 °C ii) Storage -20 to +50 °C
<b>Environmental Rating</b>	IP66
<b>Humidity range</b>	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.
<b>Performance</b>	Compliant with BS EN 61779 : 2000
<b>Electromagnetic compatibility</b>	CE Marked, Tested to BS EN 50270:1999
<b>Air Pressure Operating Range</b>	920 mbar to 1150 mbar

Manufactured in the UK by

### **Status Scientific Controls Ltd**

Hermitage Lane Industrial Estate  
Kings Mill Way, Mansfield  
Nottinghamshire NG18 5ER  
Tel: (44) 01623 651381 Fax: (44) 01623 421063  
Email: [sales@status-scientific.com](mailto:sales@status-scientific.com)  
[www.status-scientific.com](http://www.status-scientific.com)