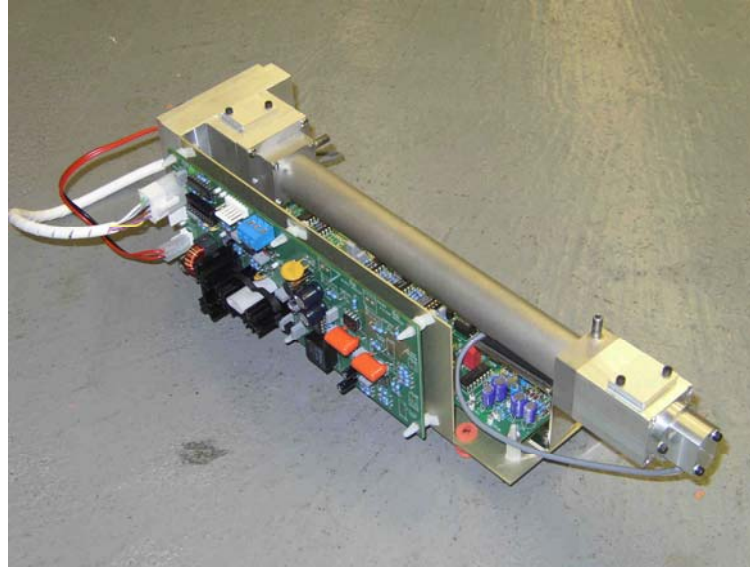




Eclipse OEM Bench Analyser



The **ECLIPSE** is a self-contained analyser bench for OEM applications. It can be provided in a number of variants covering a huge range of gases and ranges. The gas correlation technology gives high selectivity and repeatability – a truly 'bench case' performance that is unmatched by other OEM modules.

The on-board electronics handle most of the work, leaving final calibration and display options open for ease of integration. The OEM needs to provide the linerisation for the output plus zero and span arrangements, which can vary from multi-turn pots for manual applications, through software control using the 12C bus for fully automatic calibration.

Sample gas arrangements can vary from a simple filter and pump through to the electrical switched multi-sample, zero and span gas. For operation, the bench requires a modest flow (dependant on cell size and required response time) of dust-free, dry sample gas.

- **Specially Designed to meet OEM demand**
- **Self contained gas analyser bench**
- **Huge range of gases unmatched by other OEM**
- **Highly reliable proven design**
- **Single 24V DC supply (12V DC to order)**
- **Analogue out put (non-linear) of 1V, 5V or 10V full scale**
- **Coarse zero adjustments using 12C bus (factory option)**
- **Span and zero adjustments via external pot or by user provided software**
- **Free from 'poisoning'**
- **Low maintenance**

Experts in Gas Analysis

Pure gas analysis
Waste incineration
Glass production
Refinery processes
Appliance testing and compliance
Solvent incineration
Power generation
Paper manufacturing
Cement production
Food processing
Pharmaceutical
Natural gas
Crematoria
Combustion control
Land fill gases
Clean Development
Mechanism (CDM)
Wood burning boilers
Particulate emissions



TECHNICAL SPECIFICATION

Measurement Technique:	Non-dispersive infrared absorption With solid state detector
Measurement range:	Up to 100% for gases and saturation Concentrations for vapours
Resolution:	0.1% fsd
Repeatability:	+/- 0.2% fsd
Noise:	0.2% fsd
Zero Stability:	1% fsd over 1 week
Span Stability:	0.5% fsd over 1 week
Temperature effect on zero:	+/- 0.1% fsd per 1 degree centigrade
Temperature effect on span:	+/- 0.2% fsd per 1 degree centigrade
Response time:	Typically 4 seconds to T90 dependant On cell size
Flow rate:	Typically 0.2 litre/minute
Connections:	24V DC (+/-10%, at 250mA maximum) 14 pin dil header for other connections: Ground, analyser output, 12C, external Zero pot, external span spot, analyser Fail signal, monitor signals.

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