



SB2000 Series Wall/Panel Mount Analyser



The spectrum SB2000 is a self-contained analyser for a wide range of applications. It can be provided in a number of variants covering a huge range of gases and ranges. The single beam infrared technology gives high selectivity and excellent sensitivity and repeatability – versatility unmatched by other units.

The on-board electronics handle most of the work, leaving final calibration and display options open for ease of integration.

Available as a stand alone wall mount version in splash proof box or as Panel mount

For operation, the bench requires a modest flow (dependant on cell size and required response time) of dust-free, dry sample gas. Complete with sample pump.

- **Specially Designed to meet Customized demand**
- **Self contained gas analyser bench**
- **Huge range of gases unmatched by other analysers**
- **Highly reliable, proven design**
- **Optional oxygen by ECC cell as second gas**
- **All functions set by remote PC link**
- **Single AC power supply or 24V dc input**
- **Analogue output 4-20mA**
- **Dual channel alarms with display and sounder**
- **Automatic zero function with 6 months calibration cycle**
- **Highly reliable proven design**
- **Free from poisoning**

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)

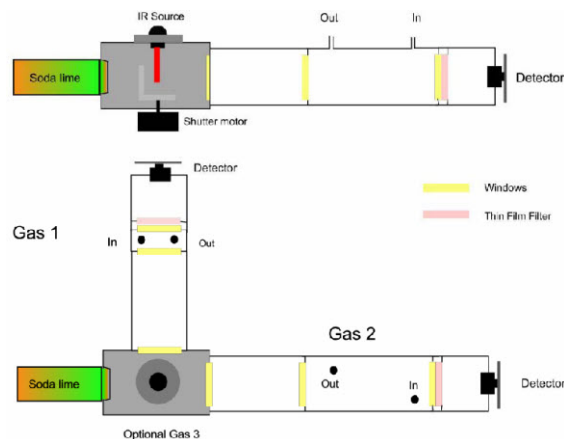
Wood burning boilers

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 vapors
Resolution:	1% fsd
Repeatability:	+/- 1.0% fsd
Noise:	0.5% fsd
Zero stability:	zero drift with autozero function
Span stability:	0.5% fsd over 90 days
Temperature effect on Zero:	+/- 0.25% fsd per 1 degree centigrade
Temperature effect on Span:	+/- 0.25% fsd per 1 degree centigrade
Response time:	Typically 4 seconds to T90 dependant on cell size
Flow rate:	Typically 0.2 to 1 litre per minute with sample pump
Connections:	240/220/110 VAC 50/60Hz: 24 DC Gas entries on front 4-20mA analogue output Relay outputs: 1A 240V



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