



## Spectrum Portable SB1000 Analyser



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

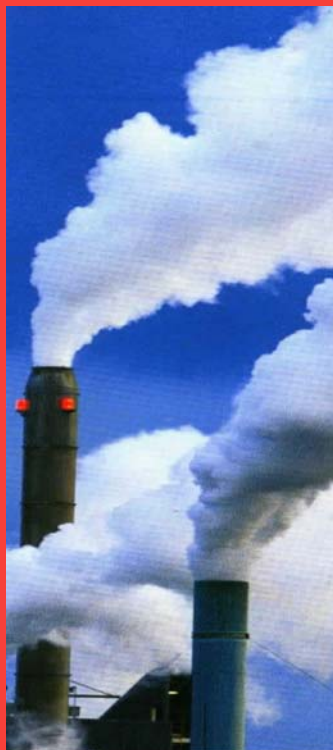
The spectrum SB1000 is a self-contained portable analyser for a wide range of applications. It can be provided in a number of variants covering a huge range of gases and ranges. The single beam infrared technology gives high selectivity and excellent sensitivity and repeatability – versatility unmatched by other units.

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

Sample gas arrangements can vary from 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. Complete with sample pump.

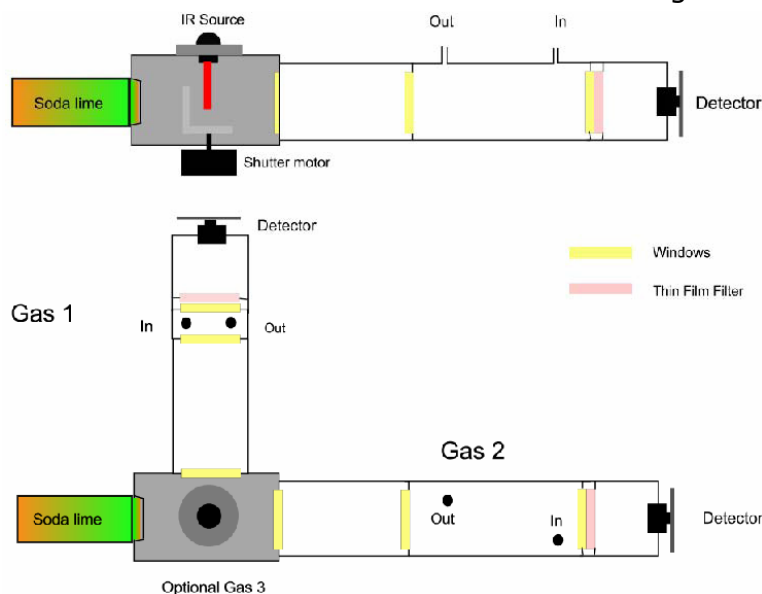
- **Specially Designed to meet Customized demand**
- **Self contained gas analyser bench**
- **Huge range of gases unmatched by other analysers**
- **Highly reliable, proven design**
- **Single AC power supply**
- **Analogue output 0-10V**
- **Optional linearization board with 4-20mA output**
- **Span and zero adjustments via external pot**
- **Highly reliable proven design**
- **Free from poisoning**

**Experts in Gas Analysis**



## TECHNICAL SPECIFICATION

<b>Measurement Technique:</b>	Non-dispersive infrared absorption with solid state detector
<b>Measurement range:</b>	up to 100% for gases and saturation concentrations for vapors
<b>Resolution:</b>	0.5% fsd
<b>Repeatability:</b>	+/- 1.0% fsd
<b>Noise:</b>	0.5% fsd
<b>Zero stability:</b>	2.0% fsd over 24 hrs
<b>Span stability:</b>	0.5% fsd over 24 hrs
<b>Temperature effect on Zero:</b>	+/- 0.25% fsd per 1 degree centigrade
<b>Temperature effect on Span:</b>	+/- 0.25% fsd per 1 degree centigrade
<b>Response time:</b>	Typically 4 seconds to T90 dependant on cell size
<b>Flow rate:</b>	Typically 0.2 to 1 litre per minute with sample pump
<b>Connections:</b>	240/220/110 VAC 50/60Hz Gas entries on Front 0-10V analogue output – ¼" jack



ADC Gas Analysis Ltd  
Unit 35,  
Hoddesdon Ind. Centre  
Pindar Road  
Hoddesdon  
UK EN11 0FF

Tel: +44 (0) 1992 478600  
Fax: +44 (0) 1992 478938  
sales@adc-analysers.com  
www.adc-analysers.com



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