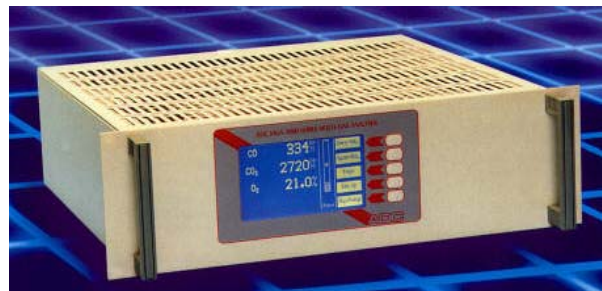


# MGA3000

## CS Lite Combustion Analysis System

- **Designed specifically for the Gas Combustion market**
- **Designed around the MGA3000 Multi-gas Analyser**
- **Flexibility of standalone or wall mounted**
- **2 year Warranty**
- **Low maintenance**
- **Fully supported from a single source**



The **MGA3000 CS Lite Combustion Analysis System** has been designed with the Gas Combustion market in mind and is fully compatible with **WA154** and **MGA CS** packages.

The unit includes a 0.6 micron particulate filter and a water safety shut-off valve to remove Contaminates from the sample gas.

A dessicant column is fitted to provide zero gas for the analyser

Housed in a bench case, the **MGA3000 CS Lite** has the flexibility to be housed in existing trolleys , or as a standalone piece of equipment.

Designed for the Quality Control areas of production and for lighter users in the gas appliance Testing industry

Fully supported from a single source, this low maintenance unit has a 2 year warranty.

Combined with the **MGA CS** the **MGA3000 CS Lite** offers a complete solution for the Gas Combustion Market at a very attractive price.

# MGA3000 CS Lite - Specification

Technology Combinations Utilised in the MGA3000				
Criteria	Correlation Filter Technology	Single Beam Technology	Electro Chemical Cell Technology	Paramagnetic Cell Technology
<b>Gases Measured:</b> (lowest detectable limits)	<b>Carbon Monoxide</b> CO to 1.0ppm Ranges 0-500 ppm 0-2500 ppm	<b>Carbon Dioxide</b> CO <sub>2</sub> to 0.01% Ranges 0-3% 0-15%	<b>Oxygen</b> O <sub>2</sub> to 0.1%	<b>Oxygen</b> O <sub>2</sub> to 0.1%
<b>Measurement Technique:</b>	Non dispersive infrared absorption with solid state detector.	Non dispersive infrared absorption with solid state detector.	Electro Magnetic Cell	Paramagnetic Cell
<b>Measurement Range:</b>	Up to 100% for gases and saturation concentration for vapours.	Up to 100% for gases and saturation concentration for vapours.	0 to 25%	0 to 25%
<b>Resolution:</b>	Display: 0.1% fsd Output: ≥0.1% fsd	Display: 0.5% fsd Output: ≥0.5% fsd	Display: 0.1% O <sub>2</sub> Output: ≥0.025% fsd	Display: 0.01% O <sub>2</sub> Output: ≥0.025% fsd
<b>Repeatability:</b>	± 0.1% fsd	± 1% fsd	± 0.1% O <sub>2</sub>	± 0.1% O <sub>2</sub>
<b>Noise:</b>	≥0.1% fsd	≥0.5% fsd	≥0.1% O <sub>2</sub>	≥0.1% O <sub>2</sub>
<b>Zero Stability:</b>	≥1% fsd over a week	≥2% fsd over 24 hours	-	-
<b>Span Stability:</b>	≥0.5% fsd over a week	≥0.5% fsd over 24 hours		≥0.1% fsd over 6 months
<b>Temperature Effect on Zero:</b>	± 0.1% fsd per °C	± 0.25% fsd per °C	± 0.1% fsd per °C	± 0.1% fsd per °C
<b>Temperature Effect on Span:</b>	± 0.2% fsd per °C	± 0.25% fsd per °C	± 0.1% fsd per °C	± 0.1% fsd per °C
<b>Cell Response:</b>	Typically 4 seconds to T <sub>90</sub> dependent on Cell Size and Flow Rate.	Typically 4 seconds to T <sub>90</sub> dependent on Cell Size and Flow Rate.	Typically 25 seconds to T <sub>90</sub> dependent on Flow Rate	Typically 4 seconds to T <sub>90</sub> dependent on Flow Rate
<b>Flow Rate:</b>	Typically 0.2 to 1 litre/minute	Typically 0.2 to 1 litre/minute	Typically 0.2 to 1 litre/minute	10ml/min to 100ml/min
<b>Flow Meter:</b>	0.2 to 2 ml /minute			
<b>Sample Pump:</b>	1 litre/minute			
<b>Electrical Connections:</b>	Single 8 Pin DIN for all Analogue outputs. 9 way D type plug for RS232C link. XX Connector for all other Terminals.			
<b>Gas Connections:</b>	M6 Compression Fitting rear panel entries.			
<b>Installation:</b>	19" Rack Mounting. 3U High.			
<b>Case Material:</b>	Aluminium.			
<b>Operating Conditions:</b>	0 to 40 °C Ambient Temperature. 0 to 95% Relative Humidity.			
<b>Gas Conditions:</b>	0 to 50 °C Non Condensing at Analyser entry.			
<b>Power Requirements:</b>	Nominal 110V/220V/230V User Selectable. Frequency Independent. 120VA maximum. 3 Pin IEC Connector supplied.			
<b>Dimensions: (overall) H x W x D:</b>	H133mm x W483mm x D500mm - 19" Rack			
<b>Weight:</b>	From 10Kg to 23Kg dependent upon configuration From 12Kg to 25Kg dependent upon configuration (Packed for Export)			

ADC Gas Analysis Limited reserves the right to change specification in the interest of product enhancement.

Your Distributor is:

Issue: 03/00



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