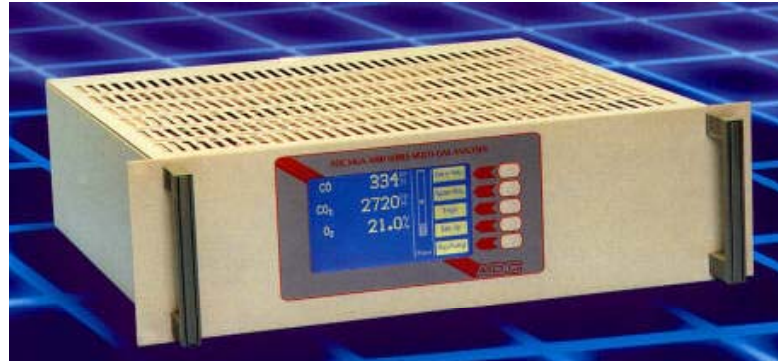


# MGA3000

## Multi-Gas Analyser

- The best price performance on the market - designed with User requirements foremost in mind.
- Tried and tested technology with proven reliability - 2 Year Warranty.
- Up to three gases, simultaneously analysed - upgrades available to protect investment.
- Excellent gas selectivity.
- For use in hostile environments.
- Compact 3U-rack mount design with menu-driven, easy to use front panel controls.
- Fully supported from a single source.



The **MGA3000** Multi-Gas Analyser has been specifically designed to meet the needs of organisations requiring cost effective and reliable single or multiple gas analysis solutions.

The four technologies employed are all tried and tested to ensure the User experiences maximum reliability and accuracy. A two year, no quibble, return to base warranty is provided with an option of on-site cover if required. A choice of Service Agreements is available offering Users fixed price, time and materials or customised arrangements to suit requirements.

Up to three gases can be analysed at any time. For those organisations requiring single gas analysis, but would like the option to upgrade at a later date, the **MGA3000** is an ideal solution to protect initial investment.

Designed for use in hostile or friendly environments the **MGA3000** maintains high levels of gas selectivity wherever installed.

All packed into a robust, attractive, compact 3U-rack mount enclosure to utilise minimal space. An optional bench case is available for non-rack mount installations.

For peace of mind ADC offer full field and workshop support, 24-hour response, hot-line technical support, training, installation and commissioning services.

# MGA3000 - 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>Acetylene</b> C <sub>2</sub> H <sub>2</sub> to 0.5ppm <b>Carbon Monoxide</b> CO to 0.1ppm <b>Hydrogen Chloride</b> HCl to 5.0ppm <b>Methane</b> CH <sub>4</sub> to 0.5ppm <b>Nitric Oxide</b> N <sub>2</sub> O to 2.0ppm	<b>Butane</b> C <sub>4</sub> H <sub>10</sub> to 0.005% <b>Carbon Dioxide</b> CO <sub>2</sub> to 0.001% <b>Carbon Monoxide</b> CO to 0.02%	<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: Avensys



**1-888-965-4700 ~ www.avensys.ca**