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

MGA3000 Multi-Gas Analyser

The MGA3000 Multi-Gas Analyser has been specifically designed to meet the Needs of organisations requiring cost effective and reliable single or multiple Gas analyser 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 four gases can be analysed at anytime. 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 the 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.

- **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 four gases, simultaneously analysed – upgrades available to protect investments.**
- **Excellent gas selectivity.**
- **For use in hostile environments.**
- **Compact 3U-rack mount wall design with menu-driven, easy to use front panel controls.**

Experts in Gas Analysis

Criteria	Correlation Filter Technology	Single Beam Technology	Electrochemical Cell Technology	Paramagnetic Cell Technology
Gases Measured: (Lowest detectable limits)	C2H2 to 0.5ppm CO to 0.1ppm CO2 to 0.1ppm HCl to 5.0ppm CH4 to 5ppm N2O to 2.00ppm NO to 2ppm SO2 to 2ppm	C4H10 to 0.005% CO2 to 0.001% CO to 0.2% CH4 to 0.01% SO2 to 0.02%	O2 to 0.1% H2S to 1ppm NO2 to 1ppm	O2 to 0.1%
Measurement Technique:	Non dispersive infrared absorption with solid state detector	Non dispersive infrared absorption with solid state detector	Electrochemical Cell	Paramagnetic Cell
Measurement Range:	Up to 100% for gases and saturation concentration for vapours	Up to 100% for gases and saturation concentration for vapours	0 to 25% O2 0 to 50ppm others	0 to 25%/100% 90-100% 95-100%
Resolution:	Display: 0.1% fsd Output: 0.1% fsd	Display: 0.1% fsd Output: 0.5% fsd	Display: 0.1% fsd Output: 0.025% fsd	Display: 0.1% fsd Output: 0.025% fsd
Detection Limit:	0.1% fsd	1.0% fsd	-	-
Intrinsic Accuracy:	1.0% of reading	1.0% fsd	0.1%	0.1% O2
Noise:	1.0% fsd	0.5% fsd	0.1%	0.1% O2
Zero Stability:	1% over a week	1% over a week	Absolute Zero	Absolute Zero
Span Stability:	0.5% over a week	0.5% over a week	0.5% over 12 months	0.1% over a week at constant STP
Temperature Effect on Zero:	+0.1% fsd per C	+0.25% fsd per C	+0.1% fsd per C	+0.1% fsd per C
Temperature Effect on Span:	+0.2% fsd per C	+0.25% fsd per C	+0.1% fsd per C	+0.1% fsd per C
Cell Response T90:	Typically 4 seconds dependant upon Cell size	Typically 4 seconds dependant upon Cell size	Typically less than 4 seconds	Typically less than 4 seconds
Flow Rate:	Typically 0.1 to 1 litre per min	Typically 0.1 to 1 litre per min	Typically 0.1 to 1 litre per min	10ml per min to 100ml per min
Flow Meter:	0.2 to 2ml per minute	-	-	-
Sample Pump:	0.4 to 1 litre per minute	-	-	-
Electrical Connections:	Single 8 pin DIN for all Analogue Outputs	-	-	-
Gas Connections:	M6 Compression fitting rear panel entries	-	-	-
Installation:	19" Rack Mount - 3U High	-	-	-
Case Material:	Aluminium	-	-	-
Operating Conditions:	0-40% C Ambient Temperature. 0-96% Relative humidity	-	-	-
Gas Conditions:	0-50C Non Condensing at Analyser entry	-	-	-
Power Requirements:	Nominal 110V/220V/230V User selectable. Frequency Independent 120VA Maximum	-	-	-
Dimensions (H x W x D):	H 133mm x W 483mm x D 500mm - 19" Rack	-	-	-
Weight:	From 12kg to 25kg dependent upon configuration (packed for export)	-	-	-

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