



MGA3000 Multi-Gas 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 MGA3000 Multi-Gas Analyser has been upgraded 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, 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, with up to 4 ranges for each gas, 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, 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 or 6U-rack mount wall design with menu-driven, easy to use front panel controls

Auto-calibration as standard

Experts in Gas Analysis

Gas	Min Detection
CO	0.3ppm
CO2	0.1ppm
SO2	1ppm
SF6	0.5ppm
NO	1ppm
N2O	0.5ppm
NH3	1ppm
CH4	1ppm
C2H6	1ppm
C3H8	1ppm
C4H10	1ppm
C5H12	1ppm
C6H14	1ppm
C7H16	1ppm
C6H6	1ppm
C6H5CH3	1ppm
C2H5O	1ppm
HCL	2ppm
CH2CL2	1ppm
CF4	2ppm
CH3CNO	2ppm

Criteria	Gas Correlation Filter Technology (GC)	Single Beam Technology (SB)	Electrochemical Cell Technology (ECC)	Paramagnetic Cell Technology (PM)	Other Technology	
Gases Measured	C2H2, CO, CO2, HCl, CH4, N2O, NO, NO2, SO2,	C2H2, CO, CO2, HCl, CH4, N2O, NO, NO2, SO2,	C2H2, CO, CO2, HCl, CH4, N2O, NO, NO2, SO2,	O2	Zirconia O2 technology	
Measurement Technique	Non dispersive infrared absorption with solid state detector	Non dispersive infrared absorption with solid state detector	Electrochemical Cell	Paramagnetic Cell		
Measurement Range	From ppm to 100% for gases	From ppm to 100% for gases	From ppm to 100% for gases	Gases up to 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		Please Consult ADC
Detection Limit	0.1% fsd	0.1% fsd	-	-		
Intrinsic Accuracy	1.0% of reading	1.0%	0.1%	0.1% O2		Thermal Conductivity Technology
Noise	0.1% 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 4 seconds dependant upon cell size	Typically 4 seconds dependant upon cell size		
					Please Consult ADC	

Criteria	Gas Correlation Filter Technology (GC)
Flow Rate	Typically 0.1 to 1 litre 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 or 6U High
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	H133mm x W483mm x D500mm - 19" Rack
Weight	From 12kg to 15kg dependent upon configuration

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