

MGA 1200CS™ Process Mass Spectrometer

Delivering the highest possible analytical precision for OUR/CER calculations in bioprocessing applications.



Precise

Fast

Reliable

- Sample range 20-700 mL/min
- Up to 100 reactors monitored at 3 second intervals
- Precise monitoring .005% rel std deviation
- Multi-collector fixed magnet mass spectrometer
- Low maintenance

Specifications:

MGA 1200CS CyberSecure

Analyzer Type	Multi-Collector, Fixed Magnet Mass Spectrometer
Sample Flow	20-700 mL/min
Sample Streams	Options for 1, 16, 32, 50 or 100 streams. Flush times 4 - 10 seconds typical per stream (longer times possible, application dependent)
Ion Source	Enclosed Electron Impact, with dual Filaments, controlled by state-of-the-art proprietary Power Supply
Detectors	Up to 16 Faraday cups and Electrometers. Simultaneously measured
Gases Monitored	Up to 16, factory configured (field changes possible)
Calibration/Validation	Annual/Monthly – manual or automatic on demand
Analysis rate	0.1 seconds for all compounds (averaged over one second)
Precision	<0.005% Relative Standard Deviation*
Accuracy	<2% relative at 1 second updates (higher precision with additional averaging, dependent on calibration standards accuracy)
Dynamic Range	<10ppm – 100% (typical, application/gain setting dependent)
Stability	<0.01% relative over two weeks (typical, application dependent)*
Dimensions	30"W x 16"D x 36"H (without MSS) 34.3"W x 33.3"D x 73.1/67.3"H (with 32 port MSS) - on stand

* Based on Nitrogen analysis at 78%



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Process Insights delivers premium analytical sensors, analyzers, instrumentation, software and solutions that are mission-critical to keep your operations, personnel, and the environment safe. Our commitment to customer satisfaction is evident through our diverse range of products, programs, and services, designed to accommodate various budgets and application needs.

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