

MGA 1600ES

MGA™ 1600ES

The **MGA 1600ES** Multiple Gas Analyzer is a scanning magnetic sector process mass spectrometer that provides rapid, accurate and stable real-time monitoring of multiple components in multiple gas streams.

- Unique 4-channel Faraday design allows for rapid analysis of up to 16 individual gas species in less than 12 seconds.
- Superior Stability—Less than 1.0% of full scale drift per month; best in industry, typical calibration interval of 90 days.
- Turbomolecular vacuum pump for rapid pumpdown in less than 5 minutes.
- Robust Windows®2000-based data station with easy-to-use software.
- Remote internet and modem system assistance.
- Optional validation assistance program for 21 CFR Part 11 compliance.
- *Industry Applications include:*

- Air Separation Plants
- Coal Gasification
- Ethylene Oxide
- Hydrogen Purification
- Leak Detection
- Steel: Blast Furnace/BOF
Coke Oven Gas
- Ammonia/Urea
- Ethylene
- Fermentation: Microbial
Mammalian Cell
- Methanol
- Vinyl Chloride

AIT | Worldwide

Over 1200 MGA's Installed

Flexibility

- Available for General Purpose and Hazardous Area operation.
- Analyze up to 50 streams, including both process and calibration gases, in user-defined order.
- Versatile communications protocols:
 - Analog
 - OPC® & DDE
 - Modbus®
- Optional sampling systems and calibration manifolds available.



AIT Applied Instrument Technologies • MGA 1600ES

MGA 1600ES Windows-based software

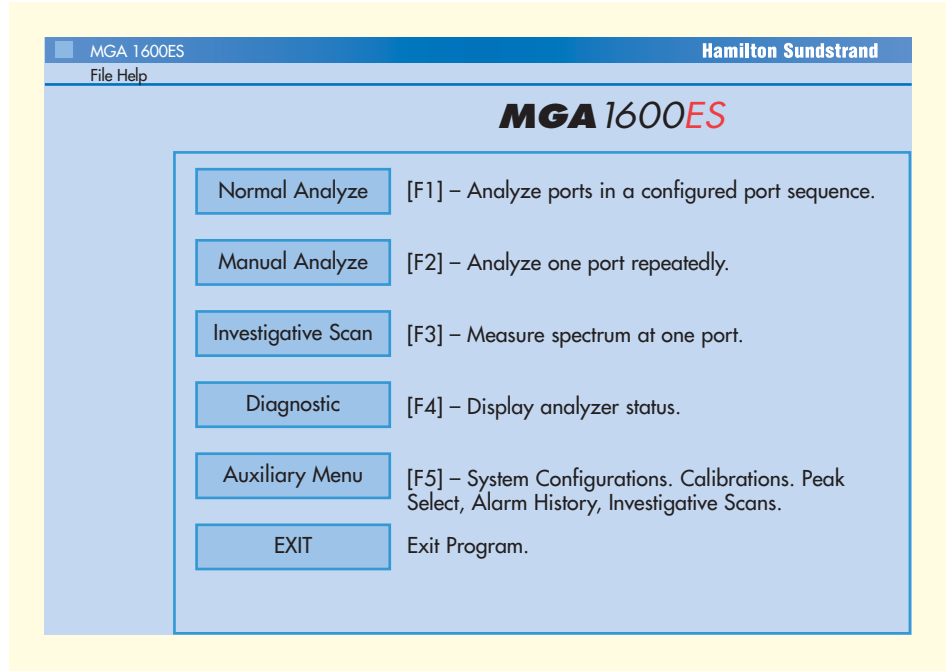
NORMAL ANALYZE – displays real-time analysis of up to 16 components and 32 streams in tabular and graphical formats in user-defined sequence.

MANUAL ANALYZE – allows detailed analysis of user-selected streams.

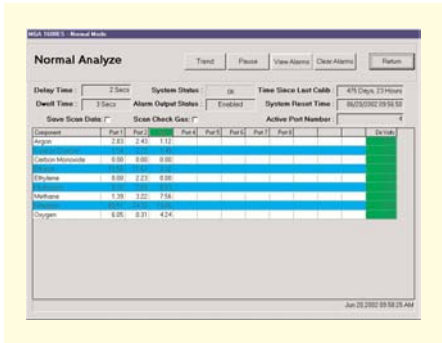
INVESTIGATIVE SCAN™– provides ability to identify unknown components and evaluate spectra.

DIAGNOSTIC – display extensive analyzer information including power supply, electrometer offset, filament and vacuum status.

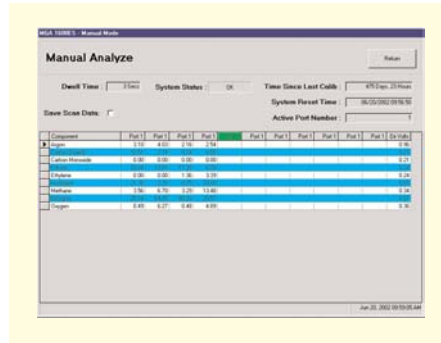
AUXILIARY MENU – allows you to configure the system, provide peak shape information, system diagnostics, set alarms and perform calibration.



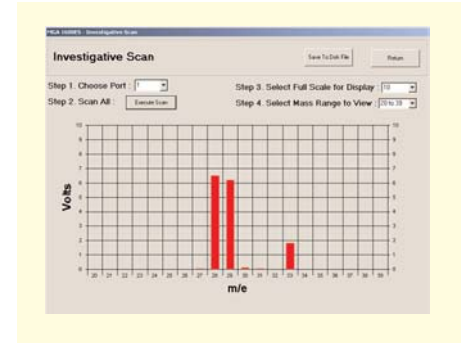
Main Menu



Normal Analyze



Manual Analyze



Investigative Scan

Contact Us:

- Windows software upgrades
- Annual maintenance and emergency service contracts
- OEM certified spare parts
- Trade-in or buyback programs
- Monthly system rentals

AIT also offers the MGA 1200EC and the MGA iSCAN, as well as a broad line of accessories, to insure customers get a targeted solution.

Turnkey Sample Systems

We can design and build turnkey sampling and sample conditioning systems making it possible to monitor as many as 32 process streams.



Custom Sample Conditioning System