

# Quantitative Gas Analyser

A compact bench-top gas analyser configured for real time, multi-species analysis with wide dynamic range – 100 PPB to 100%.



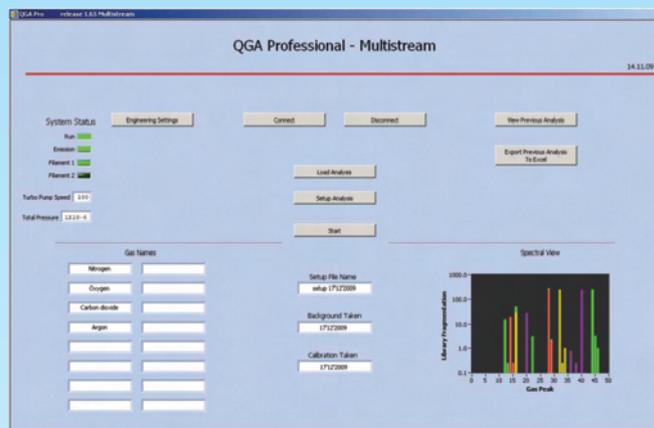
## Features:

- Multiple Gas and Vapour Analysis – 200 amu mass range, 300 amu option.
- 2 metre continuous sampling heated capillary inlet.
- Gas sample flow rate 16 atm. cc/min standard. 1 atm. cc/min option.
- Gas sample pressure range: 100 mbar to 2 bar absolute. 1 mbar to 30 bar sampling options.
- High Sensitivity: detection to 100 PPB.
- <300 ms response time to changes in gas concentrations.
- Fast data acquisition: up to 500 measurements per second.
- Integrated CO analyser option for the analysis of low level CO in the presence of N<sub>2</sub> and CO<sub>2</sub>.
- Soft ionisation for reduced spectral fragmentation and simplified data interpretation.
- Broad range of sampling accessories available.

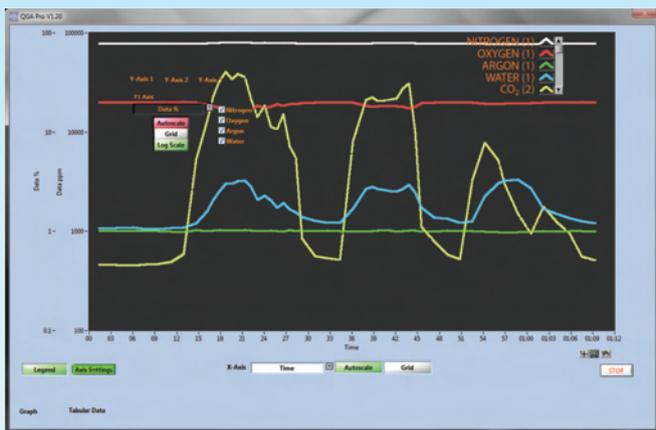
- Gas Reaction Studies
- Fuel Cell Reactions Studies
- Contamination Studies
- Fermentation Analysis
- Environmental Gas Analysis
- Thermal Analysis Mass Spectrometry
- Catalysis Studies / Reaction Kinetics

# QGA and MASsoft PC Professional Edition Software

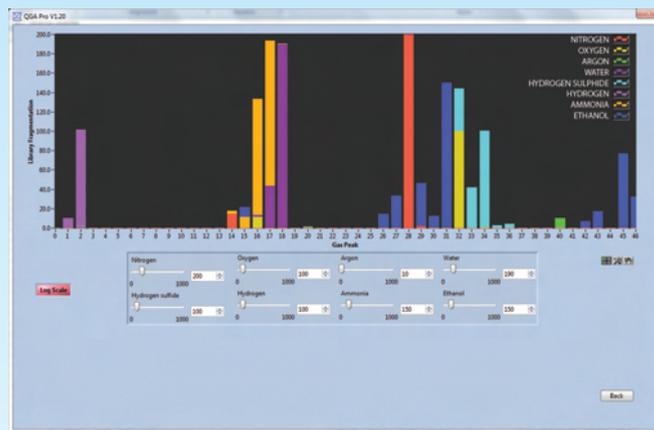
- Automated calibration routines for accurate quantitative analysis.
- Gas/Vapour mass spectral library with intelligent scan feature for precise fragmentation pattern recording.
- Automatic subtraction of spectral overlaps.
- Multi-stream inlet system options 4, 8, 16, 20, 40 or 80 way.



**QGA** – load and start an analysis with two clicks



**QGA** – trend analysis – user configurable data display



**QGA** – Synthesised spectral view to show unique peaks and spectral overlaps

## Application specific high vacuum pump configuration

The QGA system is offered with an external foreline pump. Several pump types are offered to match gas sample requirements: 5 m<sup>3</sup>/hr scroll pump, membrane pump or dual rotary oil sealed pumps.



Manufactured in England by:

# HIDEN

ANALYTICAL

HIDEN ANALYTICAL LTD. 420 EUROPA BOULEVARD, WARRINGTON, WA5 7UN, ENGLAND

Tel: +44 (0)1925 445225 Fax: +44 (0)1925 416518 Email: info@hiden.co.uk

It is Hiden Analytical's policy to continually improve product performance and therefore specifications are subject to change.

TECHNICAL DATA SHEET 182



## Windows 7/Vista/XP compatible with Ethernet, USB and serial connections

Comprehensive I/O for data output and for reading data from external devices for integration and display with mass spectrometer data.

OPC – data output for process control.

### System weight:

40 kg + 23 kg with external scroll pump option.

### System dimensions:

491 mm wide x 566 mm deep x 318 mm high.

### Power requirement:

110/220/240 V, 50/60 Hz 0.6 KVA + 0.3 KVA with external scroll pump option.