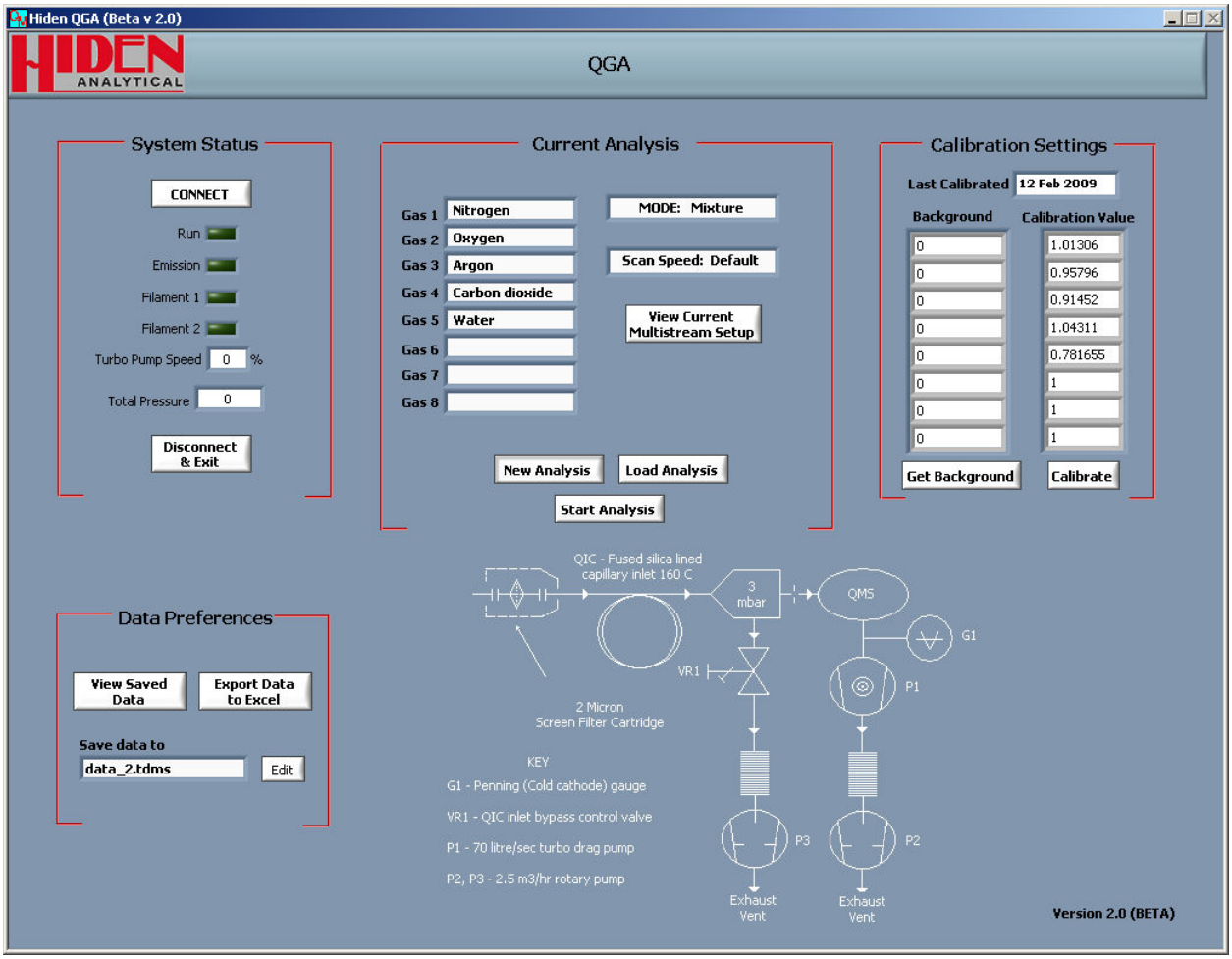
Gas Analysis
TI Sheet 168

QGA Software

Quantitative gas analysis software



Key Features:

- **Template operation from pre defined analysis set up for up to 8 gases and vapours.**
- **Automatic data acquisition.**
- **Data export direct to Excel**
- **Multi stream capability for up to 80 gas sample streams**

Manufactured in England by:

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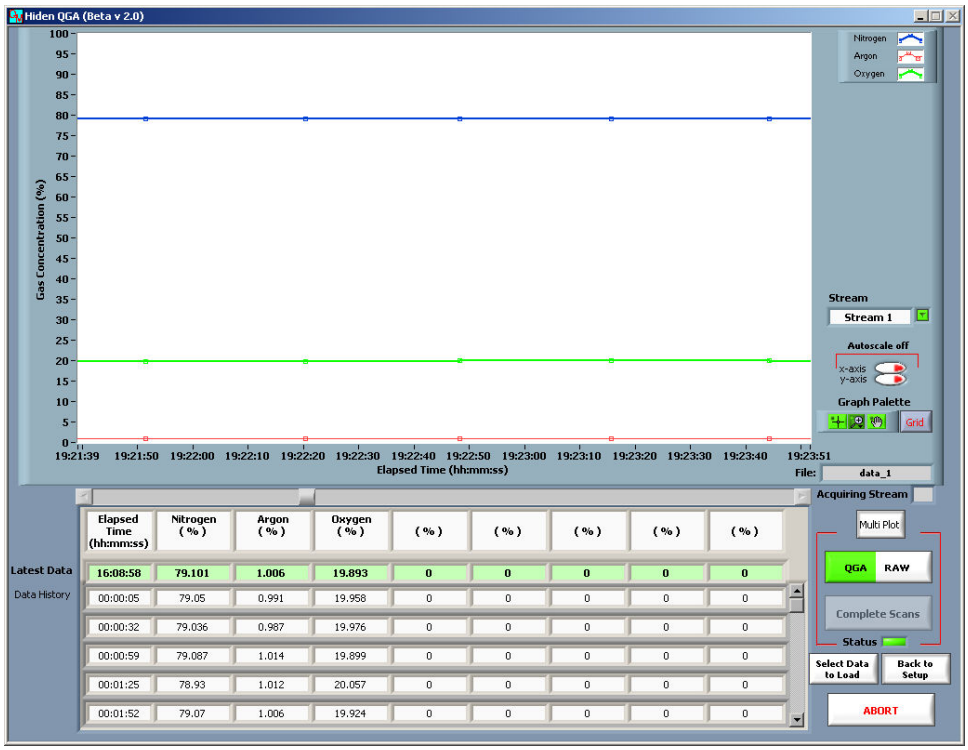
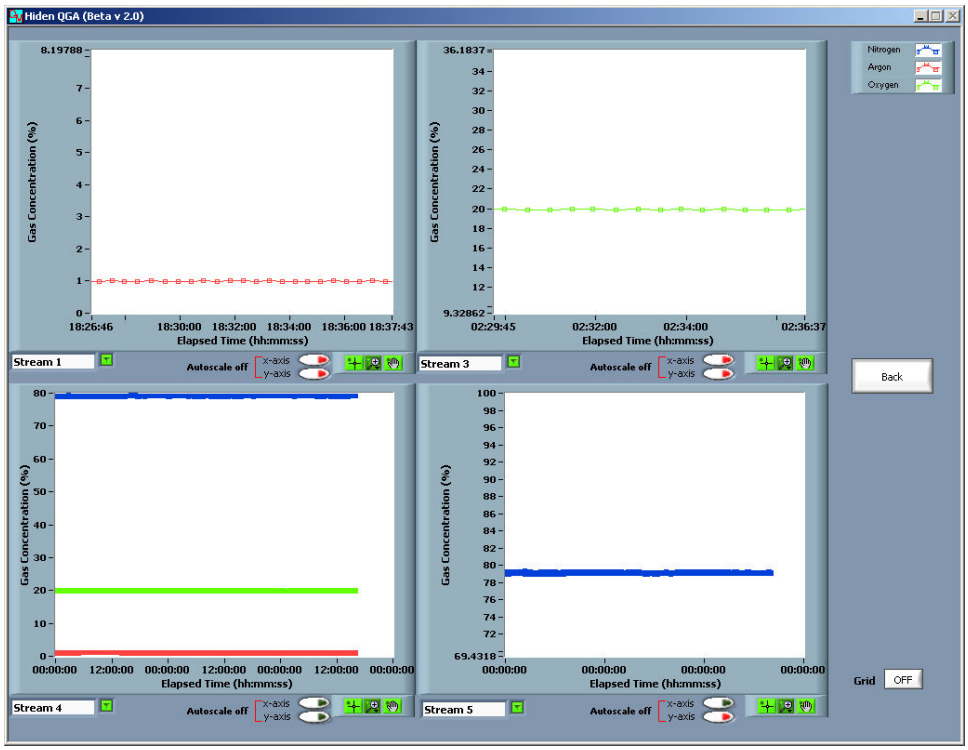
QGA Software

Quantitative gas analysis

Real time analysis

- QGA: Quantitative gas analysis with graphical trend analysis.
- RAW: View instrument partial pressure values.
- Tabular: Display real time trend update with data history.
- Y axis and X axis data zoom during data acquisition and post analysis.
- Multi-plot view for multistream systems. Show graphical trend



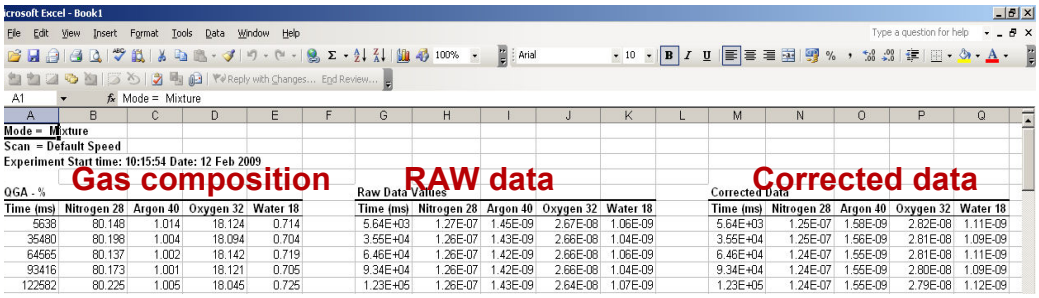


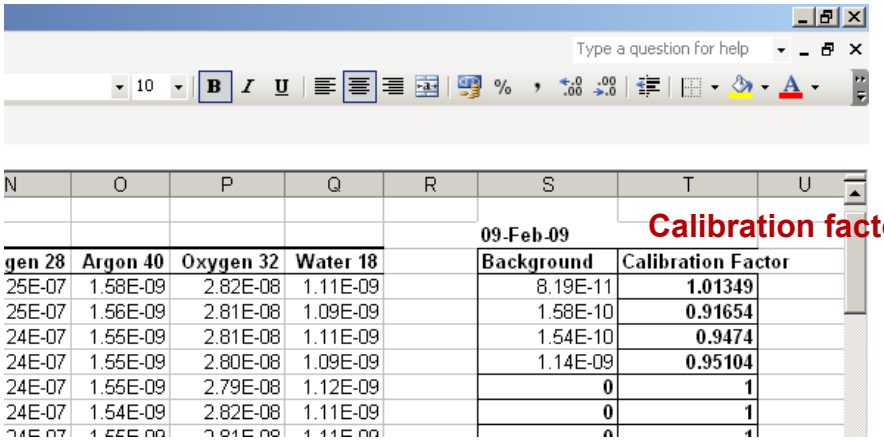
QGA Software

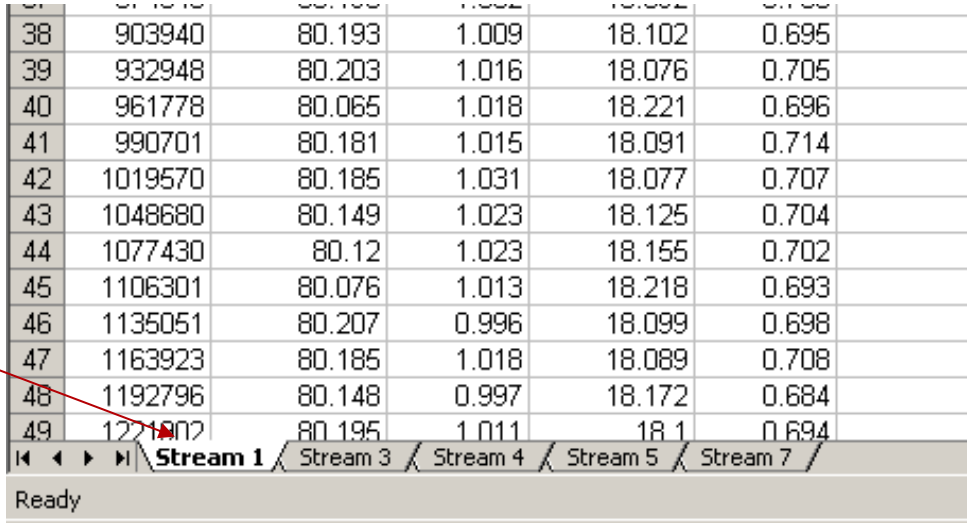
Quantitative gas analysis data export.

Data Export

- Data export to MS Excel.
- New workbook for each data file.
- Quantitative data, raw data values and corrected data values are exported.
- Calibration factors and background correction values are recorded.







Data for up to 80 gas sample streams

QGA Software

Quantitative gas analysis set up.

Each template file is set up using the mass spectral library calculator.

The calculator shows the principle peaks for each species by mass number and intensity.

The intensity is normalized to 1000 as used by the NIST library.

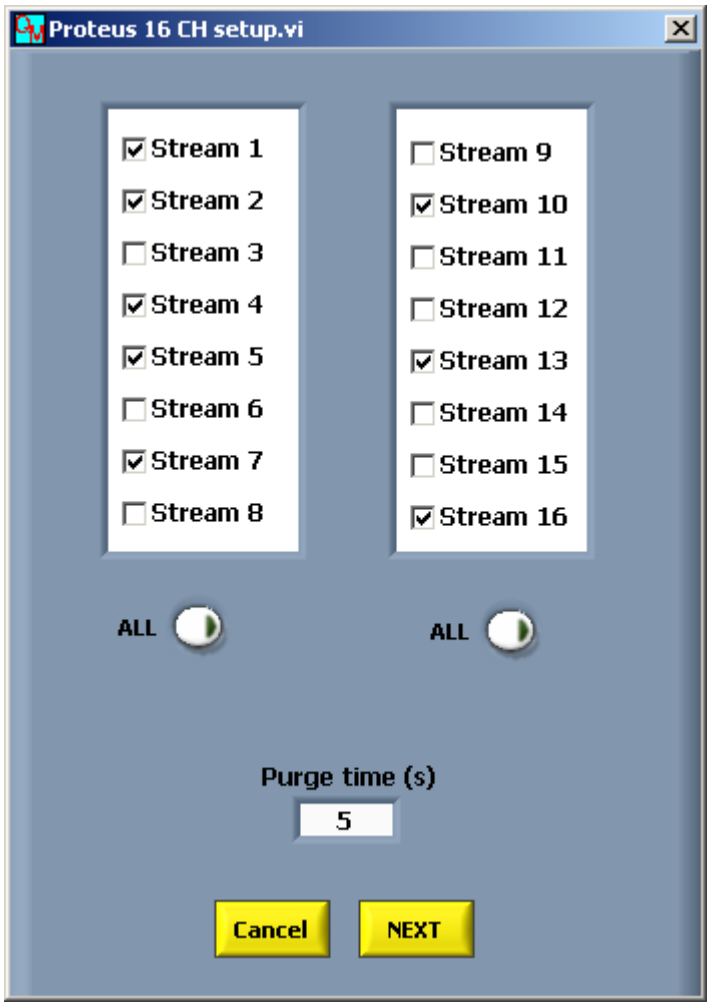
The mass spectral library calculator automatically subtracts resolvable overlaps indicated by yellow.

Green indicates a unique peak is available for the species analysis, and red indicates peaks that will not be used.

Peak limits allow the expert user to adjust limits for which peaks within the library become significant.

QGA Software

Multiple sample stream analysis.



Multi stream sampling enables a single mass spectrometer to analyse sample from up to 80 streams in a continuous loop sequence.

The example shown is for QGA software configured to sample from 16 streams.

The user interface provides for selection of the streams to include in the analysis and to set the purge time that the system will use between streams.

QGA software provides for quantitative gas analysis in single stream or multi stream gas analysis applications with a simple user interface providing data for real time trend analysis and for post processing.