

New Product Information

New Brochure - Process Interfaces for Hidden Gas Analysers

Hidden Analytical launch their latest catalogue detailing the extensive selection of continuous-sampling interfaces for adaptation of the Hidden gas analyser systems to a diverse range of gas- and liquid-related process types and operating at pressures from 1 millibar through to 30 bar.

Interfaces for direct gas analysis include multichannel gas selector valves enabling selection from up to 80 independent gas streams, with a two-stream variant enabling direct comparative measurement of pre- and post-process gas composition. Hot-zone sampling lines are adaptable for sampling directly from furnaces operating through to 1700°C. The new Micro-flow inlet has a sample extraction rate of just 12 micro-litres/minute.

Gas/vapour measurement in aqueous environments is addressed by a selection of membrane separation interface types. These include probes for media insertion and flow-through elements for recirculating streams. Cuvette-style sample cells are available for photo-responsive bioresearch. The latest DEMS cell interface module is specifically developed for direct real-time analysis of gaseous and volatile reactants released in electrochemical processes.

The catalogue is available to download at <http://tinyurl.com/Inlets-brochure-169-2> or you can request your free print copy via our website: <http://tinyurl.com/request-print-copy>. For further information on all Hidden Analytical products contact Hidden Analytical at info@hidden.co.uk or visit the main website at: www.HiddenAnalytical.com.

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Gas & Vapour Inlets



STANDARD QIC - QUARTZ INLET CAPILLARY:

- Sample pressure range 2 bar to 100 mbar
- Operates to 200°C
- Capillary length: 1.8 m (standard)
- Fast 300 ms sampling response
- Sample consumption rates from 0.8 to 20 ml/min
- Swagelok 1/16" or 1/8" connection
- Corrosion resistant option available
- Fast response 0.9 m capillary also available, with sample consumption rates from 1.6 to 20 ml/min
- Hot-zone inlet sampling option
- Flexible construction



QIC HT250 INLET:

- Sample pressure range 2 bar to 100 mbar
- Heated to 250°C
- Sample consumption rates from 0.8 to 20 ml/min
- Capillary length: 1.8 m
- Swagelok 1/16" or 1/8" connection
- Interchangeable with standard QIC Inlet
- Corrosion resistant option available
- Flexible and robust steel hose



QIC HT450 INLET:

- Heated to 450°C
- Swagelok 1/16" connection



HOT-ZONE INLET:

- For sampling from furnaces interface from furnaces to QIC
- Includes heated filter assembly
- Allows direct sample analysis to 1700°C
- General design to suit most furnaces



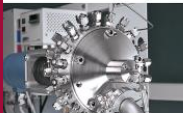
TGA-MS:

- A range of interfaces are available for TGA-MS evolution analysis
- Specially designed to suit designated TGA instruments
- Most manufacturers and models covered



QIC Series Gas Analysers

Pressure & temperature sampling options for Hidden gas analysis systems



MSV:

- 40, 80-way multi-port valve
- Heated to 120°C
- Standard flow > 100 ml/min
- Flow configuration - from 4 ml/min
- Flow configuration - to 10 L/min



MULTI-STREAM SELECTOR MSV:

- 4, 8 or 16-way available
- Heating option (180°C)
- Corrosive option
- Sample flow rate: 50 ml/min
- Flow meter option



QIC CAPILLARY INLET:

- Typical application - measuring input and output of reaction vessel
- Heated to 180°C
- 2 switching valve between capillaries
- Capillaries of either 0.9 m or 1.8 m



QIC HEATED EXTENSION:

- Available as upgrade to standard QIC systems
- Extends length by 2 m (standard extension) or 4 m, 6 m on request

NEW! QIC Series Gas Analysers Brochure