PRODUCT DATASHEET

High-Pressure Multicomponent Breakthrough Analyser

Bench-top breakthrough analyser for mixed-gas uptake and selectivity of adsorbents

Product page





Close-up: column oven, gas panel and mass spectrometer

OVERVIEW

The Tech Inc. High-Pressure Multicomponent Breakthrough Analyser measures how a new adsorbent behaves with a real gas mixture rather than one gas at a time.

TYPICAL DESIGN DATA

Column	Small adsorbent column; sizes to order; oven-controlled temperature
Gases	Up to five by mass flow controller; humidifier option
Pressure	Set by back-pressure regulator; range to order
Codes and standards	CE marking
Detection	Mass spectrometer at the outlet
Results	Breakthrough curves, uptake of each component, selectivity and mass-transfer zone
Regeneration	Heating, purge or vacuum by sequence

MODELS AND CAPACITIES

- **TI-MBA-L** – low-pressure analyser
- **TI-MBA-H** – high-pressure analyser
- **TI-MBA-W** – analyser with humidifier

Analysers are built to the gases, pressures and temperatures you test.

ORDERING CODE

Example **TI-MBA-H**: **H** version: L low pressure, H high pressure, W with humidifier.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual.
Options: humidifier; second column; gas cylinders and regulators.

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**
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How to cite: High-Pressure Multicomponent Breakthrough Analyser (Tech Inc., Vaughan, Ontario, Canada). www.techincresearch.com/product-page/multicomponent-breakthrough-analyser

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