

Flow Controller



**Gas Mixer for All
Quantachrome[®] Dynamic Flow Instruments**

QUANTACHROME'S GAS MIXER/FLOW CONTROLLER

- **Mixes gases for the Monosorb^(R) surface area analyzer & ChemBETTM TPR/TPD/TPO analyzer.**
- **Eliminates the need for many tanks of premixed gases.**
- **Continuously variable gas concentrations.**
- **Calibrated for 16 different mixtures with other combinations possible.**
- **Simple to use, accurate and reliable**

Continuous flow adsorption measurements for BET surface area, chemisorption and TPR/TPD/TPO analysis require precise gas mixing and stable flow rate control. The Gas Mixer offers two channels, each with a high precision linear mass flow controller. The flow rate through each channel may be varied by the operator allowing the relative concentration of a two-gas mixture to be easily established and maintained.

The Gas Mixer eliminates the need for many tanks of pre-mixed gases. Adsorbate (active) and carrier gases can be easily mixed to desired concentrations and flow rates are maintained constant throughout the measurement. Digital presentation of flow rates provides for easy selection and confirmation.

- Attaches to Monosorb^(R) and ChemBETTM in seconds.
- Digital flow presentation in standard cm³/min.
- Utilizes linear mass flow controllers for accurate and reproducible flow rate control.
- Flow rates are rapidly dialed in with digital ten-turn potentiometers.
- No moving parts insure long and trouble-free service.

FLOW CONTROLLER SPECIFICATIONS

Flow Control Specifications

Flow Rate Range:	0.2 - 20 standard cm ³ /min. for each gas
Flow Precision:	0.1%
Flow Resolution:	0.01 cm ³ /min.
Gas Supply Pressure:	5 to 50 psig

Physical

Depth:	22.9 cm (9 in.)
Width:	26. cm (10.5 in.)
Height:	35.6 cm (14 in.)
Weight:	10.9 kg (24 lbs.)

Electrical

Power:	110-120VAC or 220 VAC 50/60Hz
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Argentina
Australia
Austria
Belgium
Brazil
Canada
Central America
Chile
China
Colombia
Czech Republic
Denmark
Egypt
Finland
France
Greece
Hong Kong
Hungary
India
Indonesia
Ireland
Israel
Italy
Jamaica
Japan
Korea
Latin America
Malaysia
Mexico
Middle East
Morocco
Netherlands
New Zealand
Norway
Pakistan
Peru
Philippines
Poland
Portugal
Puerto Rico
Russia and CIS
Saudi Arabia
Singapore
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Spain
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Switzerland
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Renowned innovator for today's porous materials community. The quality of Quantachrome's after sales service support is the reason we are proud to maintain life time relationships with our customers.



Field Service

Our global service staff assure you that Quantachrome Instruments will continue to be the reliable engines of material characterization laboratories. We offer you the flexibility of choosing from service contracts tailored to provide you with the response time, service package, and spare parts discounts that best fit your needs.



Spare Parts

Quantachrome spare parts are certified to work with our instruments. We provide rapid response spare parts orders, and keep large inventories of replacement parts and hardware available.



Application Lab

Our fully equipped, state-of-the-art powder characterization laboratory (email: application.qt@anton-paar.com), provides the option of contracting for expert testing services. Laboratory services are also available to validate the applicability of our products prior to your purchase using your actual samples.



Lifetime Application Support

We view the field support of our instruments as an essential component of our business strategy. Our expert scientists are always available to answer questions on applications, or the use of our instruments. We do this as a standard service regardless of whether you have a service contract with us or not.



Partners in Science

Quantachrome has a scientific research department consisting of world renowned experts in material characterization. Our staff, led by Dr. Matthias Thommes, conducts collaborative research projects with leading material research labs around the world. They regularly publish articles in leading peer reviewed journals, and speak at technical symposiums around the world.

For almost half a century Quantachrome's scientists and engineers have revolutionized measurement techniques and designed instrumentation to enable the accurate, precise, and reliable characterization of powdered and porous materials.

We have an unwavering commitment to providing state of the art technology, along with superior and unparalleled customer service and support.

Our commitment to customers is to support you before, during, and after the sale throughout the lifetime of our instruments. This is a big commitment because our products are so robust and reliable that we regularly find many still in use for decades.

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Your Local Representative:

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