

PRODUCT TECHNICAL BRIEF

AS200B / AS200L Digital Gas Mass Flow Controller, 50-300 SLM

AS200B / AS200L Digital Gas Mass Flow Controller,
50-300 SLM - LeakLab solutions for leak testing, vacuum
systems and test equipment.

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Technical Data

PARAMETER	PUBLISHED VALUE / INFORMATION
Models	AS200B / AS200L
Full-scale ranges	Up to 50 SLM for AS200B; 100, 200 and 300 SLM for AS200L
Accuracy stated in source record	±1.0% of reading above 35% full scale; ±0.35% full scale below 35%
Linearity	±0.5% full scale
Repeatability	±0.2% full scale
Response time	1 s for AS200B; ≤2 s for AS200L
Maximum pressure stated in source record	0.45 MPa for AS200B; 3 MPa for AS200L
Working-pressure guidance	0.2-0.35 MPa for 100/200 SLM; 0.35-0.45 MPa for 300 SLM
External helium leak rate	$<1 \times 10^{-10} \text{ Pa} \cdot \text{m}^3 / \text{s}$
Operating temperature	+5 to +45 °C
Body material	Aluminum alloy
Supply	+15 to +28 V DC
Signals	RS-485, 1-5 V or 4-20 mA options
Weight	0.95 kg for AS200B; 2.8 kg for AS200L
Connection options	1/4 in VCR, 1/4 in compression and 3/8 in compression

Technical and Project Information

MEMS-based AS200B and AS200L digital gas mass flow controllers for configured clean, dry, non-corrosive gases. AS200B is stated for up to 50 SLM; AS200L versions cover 100, 200 and 300 SLM. RS-485 and 1-5 V or 4-20 mA signal options are available. Confirm the exact model, gas, range, pressure and connection before ordering.

ASAIR AS200B / AS200L Gas Mass Flow Controller

The AS200B and AS200L are MEMS-based mass flow controllers for configured clean, dry and non-corrosive gases such as air, nitrogen, oxygen, carbon dioxide and argon. The aluminum-alloy body reduces weight, while digital and analog interfaces support integration into automated systems.

Applications include gas-distribution systems, CVD and epitaxy equipment, analytical instruments, microreactors and other automated gas-dosing processes. Application-specific materials, cleanliness, oxygen compatibility and approvals must be confirmed.

Confirm the exact model, calibrated gas, reference conditions, range, pressure rating, required pressure differential, fittings, seal materials, signals, connector, protocol documentation and calibration certificate before ordering. Dimensional drawings are available for selection of the mounting arrangement.

- Helium Reference Leaks
- Scanning Electron Microscopes
- Leak-Detector Accessories

WORLDWIDE PROJECT CONTACT

Send the test object or system, operating conditions, target sensitivity or pressure range, applicable standard, destination country, quantity and schedule. LeakLab will review the project scope.

mail@leaklab.org

Regarding: AS200B / AS200L Digital Gas Mass Flow Controller, 50-300 SLM

Specifications, standards, verification scope, availability and commercial terms must be confirmed for the exact configuration and destination jurisdiction before order or project acceptance.