PRODUCT TECHNICAL BRIEF

AS200 Digital Gas Mass Flow Controller, 3-30 L/min

AS200 Digital Gas Mass Flow Controller, 3-30 L/min - LeakLab solutions for leak testing, vacuum systems and test equipment.

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Technical Data

PARAMETER	PUBLISHED VALUE / INFORMATION
Configured gases	Air, N2 , O2 , CO2 and Ar options
Accuracy stated in source record	±1.0% of set point or ±0.35% of full scale, depending on operating region and model
Repeatability	±0.2% full scale
Response time	≤1 s
Required pressure differential	0.05 to 0.45 MPa, depending on configuration
Interfaces	RS-485, EtherCAT and analog options stated in source record
Analog signals	1-5 V or 4-20 mA options stated in source record
Supply	+15 to +28 V DC
Typical power consumption	Approximately 2 W
External helium leak rate stated in source record	≤1 × 10^-9 Pa·m^3 /s
Body material	304 stainless steel
Operating temperature	+5 to +45 °C
Weight range stated in source record	0.95 to 2.56 kg

Technical and Project Information

MEMS-based AS200 gas mass flow controller for compatible air, nitrogen, oxygen, argon and carbon-dioxide configurations. Product-title ranges: 3, 5, 10, 20 and 30 L/min. Available interfaces stated in the source record include RS-485, EtherCAT and analog signals. Confirm the selected gas, full-scale range, calibration, fittings and

communications option before ordering.

AS200 Digital Gas Mass Flow Controller

The AS200 measures and controls the mass flow of a configured clean gas using a MEMS sensing element and an integrated control valve. Available configurations described in the source record include air, nitrogen, oxygen, argon and carbon dioxide.

The product title identifies full-scale ranges of 3, 5, 10, 20 and 30 L/min. The broader source description also refers to versions up to 300 SLM. The exact model, gas and calibrated range must therefore be confirmed for each order.

Typical uses include vacuum and gas-analysis equipment, laboratory gas delivery, semiconductor processes, chemical systems and other automated processes requiring controlled clean-gas flow. Suitability for oxygen, medical, pharmaceutical or safety-related service must be confirmed specifically; the listing alone does not establish the required approvals.

The source configuration includes a connection cable, product documentation, packaging and instructions. Horizontal installation is recommended; vertical installation may require zero adjustment. Confirm the calibrated gas and reference conditions, range, accuracy basis, pressure differential, fittings, elastomers, wetted materials, signal protocol, connector, calibration certificate and scope of supply before ordering.

- 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: AS200 Digital Gas Mass Flow Controller, 3-30 L/min

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