

D07-60

D07-60 Analog Elastomer-Sealed Mass Flow Controller/Meter - High Flow



FEATURES

- **High accuracy**
 $\pm 2\%$ F.S.
- **Suitable for high inlet pressure and vacuum applications**
- **Wide flow range**
300 slm - 2000 slm

The D07-60 mass flow controller/meter delivers high accuracy independent of pressure or temperature fluctuations and is designed for mass flow control applications covering the range from 300 slm to 2000 slm. It is especially well suited for the measurement and control of process gas in such semiconductor manufacturing applications as diffusion, oxidation, epitaxy, CVD, plasma sputtering and ion implantation. The D07-60 MFC/MFM operates at a variety of pressures and provides a high degree of reliability, ensuring repeatable low-drift performance over time. It offers soft-start, tightly controlled response and maximum application flexibility.

D07-60 mass flow controllers/meters are engineered, sold, serviced and supported in the U.S. by Helios Technologies, Inc., and manufactured by Sevenstar.

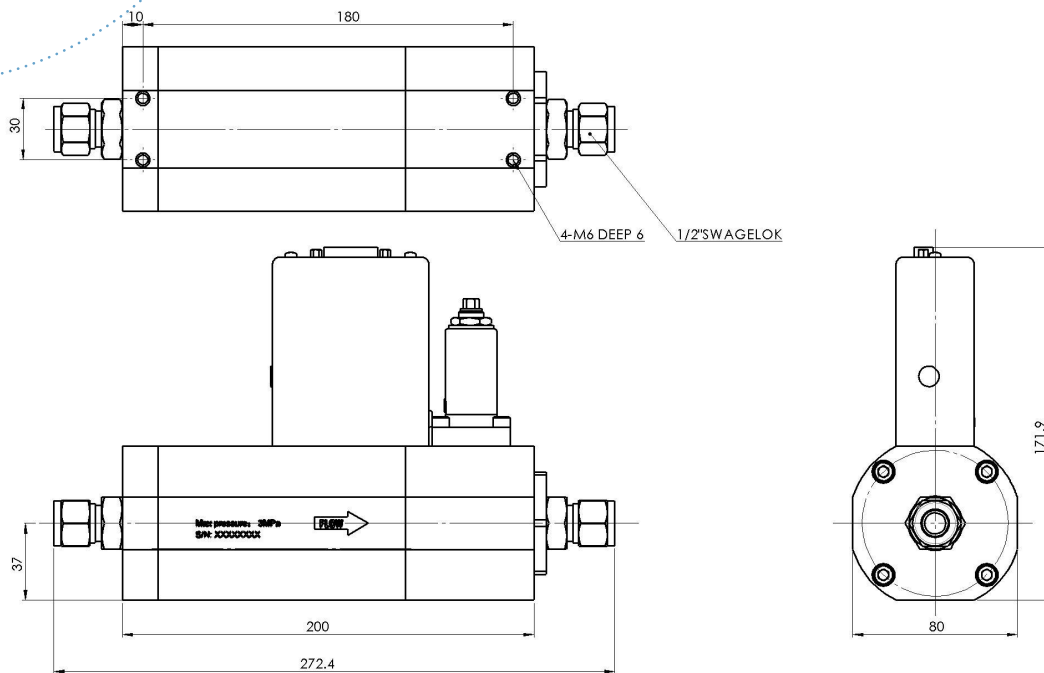


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D07-60 Analog Elastomer-Sealed Mass Flow Controller/Meter - High Flow

Model	D07-60B MFC	D07-60M MFM
Full Scale Range (N ₂)	300, 500, 750, 1000, 1500, 2000 slm	
Control Range	2 - 100% F.S.	
Valve Type	Solenoid	—
Valve Rest Position	Normally Closed	—
Accuracy	± 2% F.S.	
Linearity	± 1% F.S.	
Repeatability	± 0.2% F.S.	
Response Time	< 10 sec	
Operation Pressure	(0.25 ~ 0.5) MPa (≤1000 slm) (0.4 ~ 0.6) MPa (1000 slm)	<0.2 MPa
Temperature Range	5 ~ 45° C	
Differential Pressure	<0.1 MPa	
Maximum Pressure	3 MPa	
Operation Temperature	5 ~ 45 °C	
Leak Integrity	<1×10 ⁻⁸ atm-cc/sec He	
Input Signal	0 ~ 5.00 V (Input Resistance > 500K)	—
Output Signal	0 ~ 5.00 V (Output Electric Current 3≤mA)	
Fittings	10 mm Swagelok® (300 slm), Swagelok (≤1000 slm), VCO® 1/2" male	
Power Supply	+15V 50mA -15V 50mA	
Weight	6 kg	5 kg



Helios Technologies offers a full range of options to meet your standard or custom specifications.
Contact Helios Technologies to discuss your application and specific requirements.

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