

RHEOTHERM® FLOW INSTRUMENTS

Model 210 Low Flow Controller

Trusted *Rheotherm* precision with added functionality

The Bionetics *Rheotherm* Model 210 Low Flow Controller can be used to measure and control the continuous flow of most gases and homogeneous liquids with low or high viscosities.

Like all *Rheotherm* instruments, the *Rheotherm* Model 210 Low Flow Controller is capable of measuring and controlling extremely low flow rates while providing accurate results. Key features include:

- Precision low flow controller with signal processing electronics and control valve integrally mounted to the sensor, installable at the process site
- Extended temperature compensation for reliable flow control under a wide range of process conditions
- User adjustable setpoint with optional external control
- Analog flow output signal available
- Wetted material chemically compatible with most process liquids and gases
- Little to no maintenance

Controllable Flow Ranges:

Liquids

Min:	0.05 cc/min
Max:	2000 cc/min

Gases

Min:	0.0017 SCFM
Max:	3.0 SCFM



Specifications

Temperature:	0—120°F (-18—50°C)
Pressure:	Up to 500 PSIG
Turndown:	Up to 100:1
Accuracy:	±1% of reading
Repeatability:	±0.5% of reading
Response Time:	1 second
Line Size:	1/16" - 1/4"OD (dependent on flow rate)
Wetted Material:	316 SS
Valve O-ring:	FKM, FFKM, EDPM (other options available)
Flow Output:	0-10, 0-5Vdc; 4-20 mA
Display:	2-line OLED
	Mass/Volume Flow Rate, Setpoint
Enclosure:	Sensor: PVC;
	Integrated Electronics: NEMA 4x cast aluminum
Input Power:	24 Vdc(9 - 36 Vdc)

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Your Process Flow Partner

For over 45 years, *Rheotherm* flow meters have proven to be a robust and accurate solution for industrial flow measurement applications. A low-maintenance design coupled with Bionetics' ISO-9001:2015 certified manufacturing leads to long equipment life —15 to 20 years is not uncommon.