

EL-FLOW Classic

F-201CL

Thermal Mass Flow Controllers for Gases



Technical specifications

Measurement & control

Type of media	Gases
Flow range	from 0.16...8 sccm up to 0.4...20 slm; intermediate flow ranges available
Accuracy	±1% FS (based on actual calibration)
Repeatability	< 0,2% Rd
Turndown ratio	1 : 50
Settling time (in control, typical)	1...2 seconds
Response time (sensor)	1...2 seconds
Operating temperature	0...50°C
Temperature sensitivity	zero: < 0.1% FS/°C; span: < 0.1% Rd/°C
Leak integrity, outboard	< 2 x 10 ⁻⁹ mbar l/s He
Warm-up time	30 min. for optimum accuracy

Approvals

Marking	RoHS, WEEE, REACH
---------	-------------------

Mechanical specs

Pressure rating (PN)	0
Ingress protection	IP40
Material wetted parts	stainless steel 316L or comparable
Sealing material	Viton®
Process connections	1/4" BSPF female thread; optional accessories: compression type or face seal couplings in various inch or metric sizes

Electrical properties

Power supply	+15...24 Vdc
Power consumption	max. 320 mA
Analog output	0...5 Vdc or 4...20 mA (sourcing output)

Electrical interfaces

Power (main connector)	9-pin D-sub (male)
------------------------	--------------------