

OEM Mass Flowmeters Designed for Fuel Cells/Reformers



TSI Series 4200 flowmeters feature a rugged, simple design and are economically priced for installed applications.

HIGH PERFORMANCE FEATURES

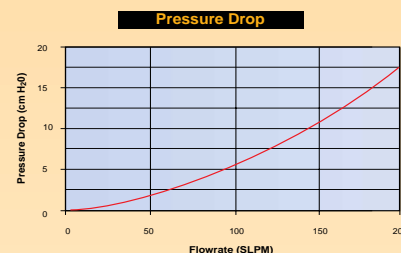
Low pressure drop	Straight-through design minimizes pressure drop.
High turndown ratio	Measures 2 to 200 liters per minute.
High accuracy	Measures $\pm 2\%$ of reading and $\pm 0.125\%$ of full scale.
Highly Stable	Proprietary platinum sensing element eliminates zero drift.
Fast response	20 msec response is ideal for control loops/dynamic flows.
Analog or digital	Model 4220 provides 4-20 mA output. Model 4210 provides output via RS485.
Gases	Calibrated for air, with other gas corrections available.

*...from TSI, a worldwide leader
in air and gas flow measurement technology*

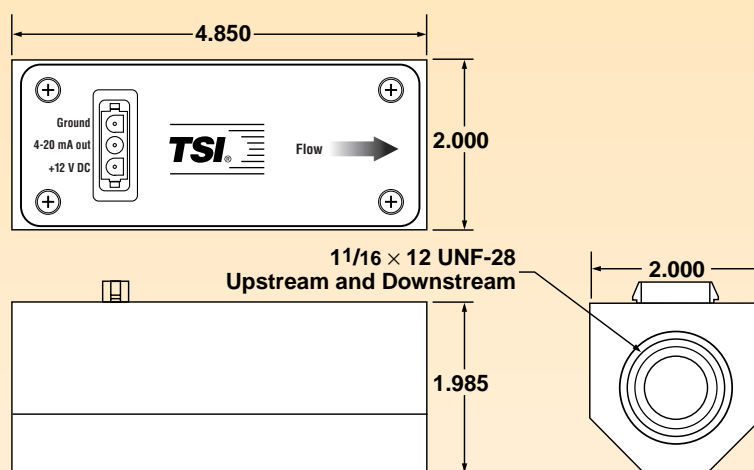


Specifications

Flow Rate:	Up to 200 L/min (7 cfm) in air; other ranges available; Correction factors for fuel gasses available
Accuracy:	±2% of reading and ±.125% of full scale
Calibration:	Calibrated for air; fuel gas corrections available.
Response:	20 milliseconds for 63% of steady state at full scale
Operating Temperature:	0 to 50°C
Gas Pressure:	50 to 199 kPa (7.3 to 28.8 psia)
Pressure Drop:	See graph
Power Requirements:	12 VDC ±.6 volts 300 mA maximum
Output:	4 to 20 mA
Housing/Connector:	Splash-proof with gasketed cover and sealed connector
Clean Gas Only:	Requires HEPA grade upstream filtration
Flowmeter Body:	Anodized aluminum.
Inlet/Outlet:	1 1/16 inch × 12 UNF-2B straight female thread; mating adapter fittings to connect to individual systems available



Specifications are subject to change without notice



Important! Fittings are sold separately

Models Available

	4210	4220
Output	Digital RS485	Analog 4-20 mA
Connector	4 pin, locking	3 pin, locking

Need more information? Contact TSI at the address shown below.
Need it right away? Download the complete design guide for this product
from our web site at <http://flowmeters.tsi.com>.



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