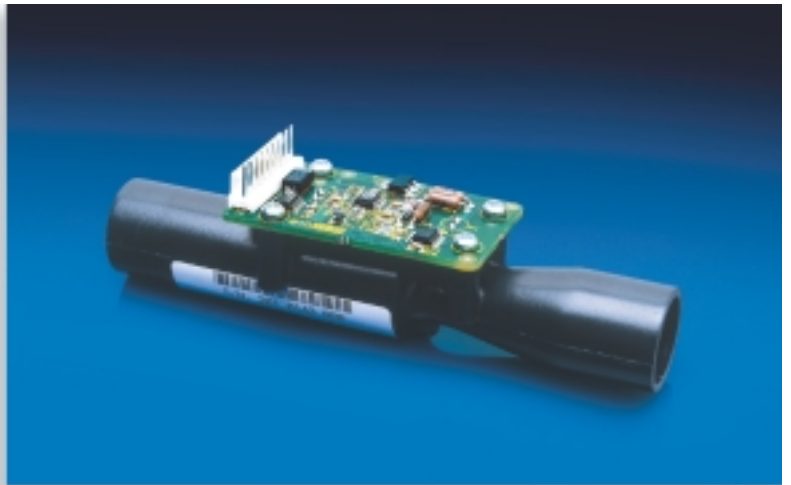


Low Cost OEM Flow Sensors For Embedded Applications

TSI Series 840200

TSI, a worldwide leader in air and gas flow measurement technology, designed these affordable high-performance flow sensors to measure air or oxygen in embedded applications. A compact size and standard configurations make it easy to design into your products. You save engineering time, reduce costs and get your products to market faster.



High Performance Features Offer Significant Benefits to Users

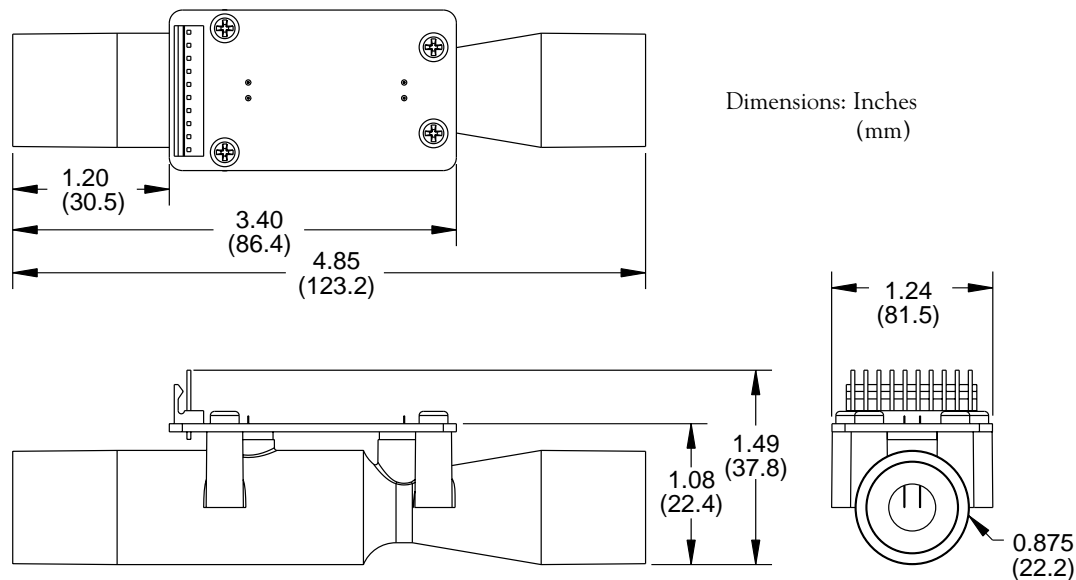
Mass Flow Measurements	Independent of pressure Independent of temperature
100% Pre-Calibrated	Ready to install
Fast Response	Ideal for measuring dynamic flows Improves control performance
Accuracy as Percent of Reading	Assures high accuracy over a wide flow range
Very Low Pressure Drop	Eliminates sensor effects on flow rate Reduces pump/blower size and power

Specifications*

Series 840200

Wide Flow Range	0 to 300 standard L/min
High Accuracy	$\pm 2.5\%$ of reading ± 0.1 L/min
Low Pressure Drop	20 cm H ₂ O (at full-scale flow)
Fast Response Time	5 msec (0 to 63% of full-scale flow)
Output Signal	Non-linear analog flow and temperature (0 to 4VDC)
Input Voltage	5VDC $\pm 5\%$, regulated
Power Consumption	40 mA at no flow, 125 mA at full-scale flow
Connection	Mating connector Amp part no. 1-640456-0
Gas Calibrations	Air or Oxygen (stored in on-board EEPROM)

* Consult TSI directly for complete specifications, other gas calibrations, flow ranges, and accuracy requirements.



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