

70-24 Media Flow Sensor

Non-Ferrous Media Sensor for Air Blast Machines

Ceramic or Plastic Media

Features

- Bending Beam Flow Rate Measurement Technology
- $\pm 5\%$ full scale accuracy (standard)
- Operates from 24 Vdc
- Output signal is 0-10 Vdc
- Optional $\pm 1\%$ accuracy calibration available
- CE compliant

Description

Bending Beam Flow Rate Measurement Technology provides a simple and highly accurate method of sensing the flow of particulate media. Falling media impacts the end of a thin blade. Measuring the displacement provides a direct measure of media flow rate. The displacement sensor output signal is scaled 0-10 Vdc to represent the media flow rate. Simple connections via USB port and cable to a Windows-based laptop computer and its Terminal program will allow selection of single or multi-point (up to ten points) calibration yielding $\pm 1\%$ accuracy. Additional advanced calibration can be used for applications requiring higher accuracy.

U.S. Patent 8,388,407 B1

Specifications

Power	24 Vdc
Media	Ceramic or Plastic Bead
Maximum Pressure	60 PSI
Temperature Range	40° - 110° F (5° - 43° C)
Flow Sensor Output	0 - 10 Vdc, max output 11.5 Vdc
Accuracy	$\pm 5\%$ of Full Scale
Weight	10.8 lb (4.9 kg)

Top (entry) and Bottom (exit) are 2" NPT female threads



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Specification is subject to change without notice
2021-04

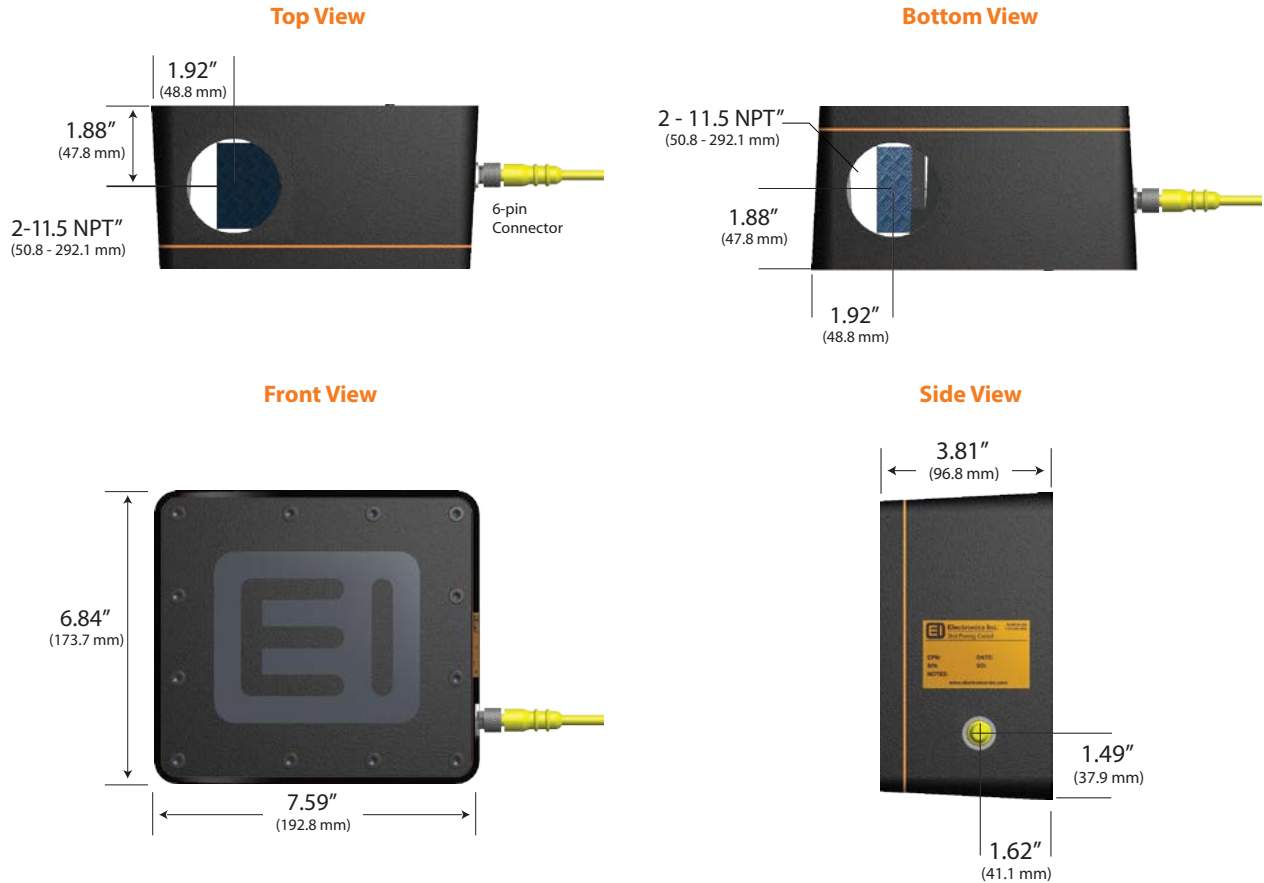
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Dimensions

Inches (Metric)



6-pin plug with 6' (1.83 m) cable is supplied with the sensor

Wiring Diagram

