

# Model 70-24 Media Flow Sensor

## Non-Ferrous Media Sensor for Air Blast Machines

*Ceramic Bead, Glass Bead 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.

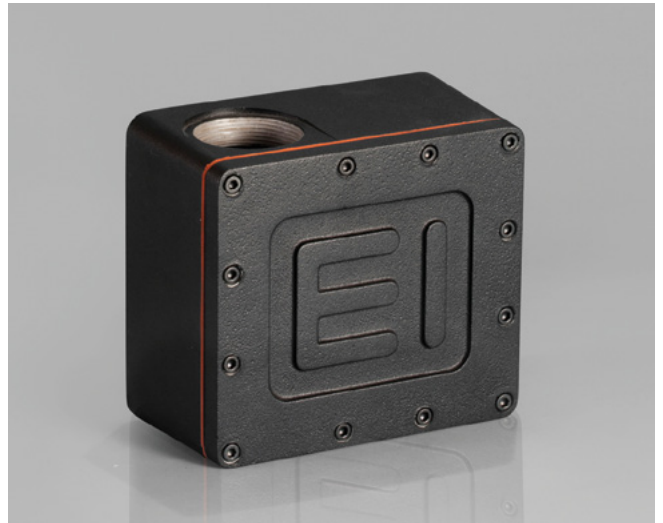
\* Patent Pending

### Specifications

Power	24 Vdc
Media	Non-Ferrous*
Maximum Pressure	60 PSI
Temperature Range	40 - 110° F (5 - 43° C)
Flow Sensor Output	0 - 10 Vdc
Accuracy	$\pm 5\%$ of Full Scale
Weight	10.8 lb (4.9 kg)

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

\* Ceramic Bead, Glass Bead or Plastic Media can be used with Sensor. Other non-ferrous materials, such as Aluminum Oxide (AlOx), may be used in sensor by special arrangement. Contact factory for more information.



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Specification is subject to change without notice  
2015-02

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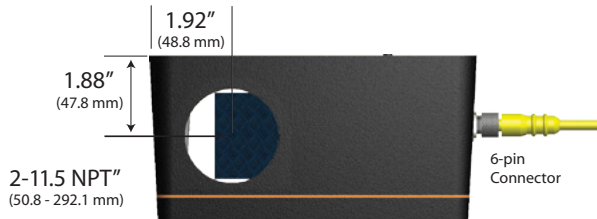
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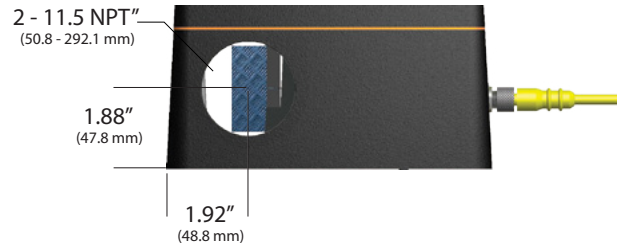
## Dimensions

Inches (Metric)

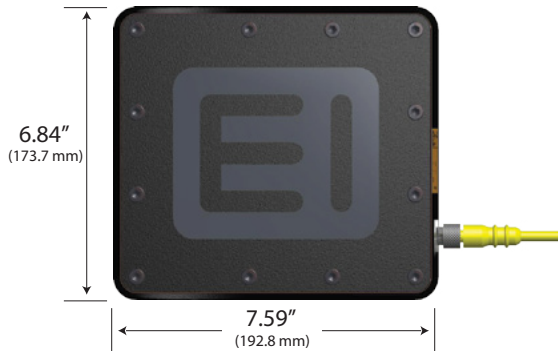
Top View



Bottom View



Front View



Side View



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

## Wiring Diagram

