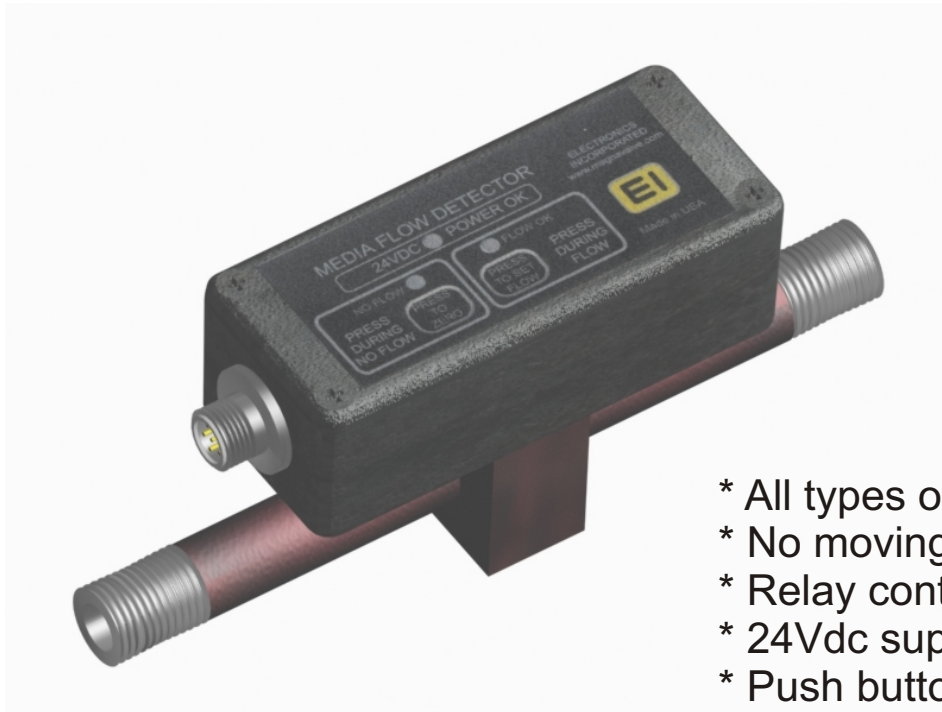


* MODEL MFD-250 SENSOR *

999375

MEDIA FLOW DETECTOR for Suction and Air Abrasive Blasting



- * All types of media flow
- * No moving parts
- * Relay contact output
- * 24Vdc supply
- * Push button setup
- * LED indicators

The Model MFD Media Flow Detector uses a charge coupled amplifier connected to a sensing pin placed in the flow path of any abrasive blasting media. Each particle passing the pin shares a minute charge with the pin and this is then converted to a voltage used to activate the output relay contact.

Setup has been simplified with this latest generation technology. The zero and span function is automatic, just push the “zero” button to acquire zero for the no-flow condition and then push the “flow” button to set the sensor gain and activate the relay. The relay contact will activate whenever the flow is 50-100% of the programmed setting.

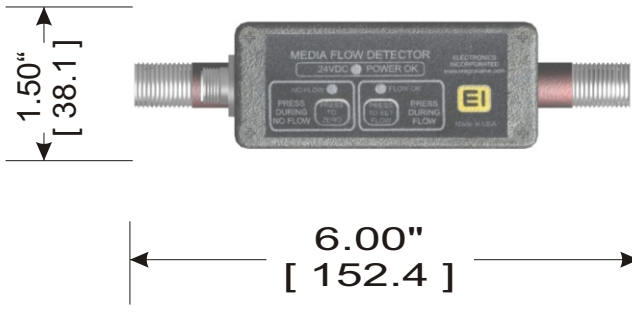
The MFD is enclosed in a 3.6 x 1.5 x 1.5 aluminum housing and is attached to a sensing pin in mounting base. The mounting base is available in various sizes to fit most abrasive blast machine configurations. The 6-pin plug allows for easy connection of the sensor to the power supply and machine controls.

The sensor is placed near the media hopper. Led's on the top of sensor indicate either green for “Flow OK” or red for “No Flow”. The internal relay is activated during green “Flow OK”.

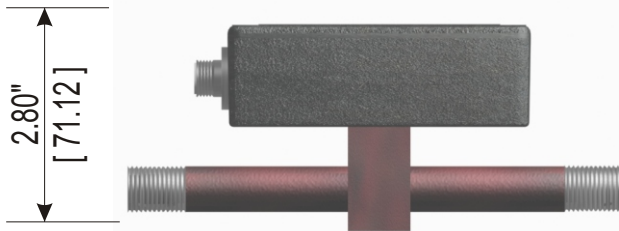
ELECTRONICS INCORPORATED
SHOT PEENING CONTROL TECHNOLOGY

* MODEL MFD-250 SENSOR *

Pipe size 1/4" NPT
Different size available upon request



Specifications	
Size - ID :	1/4" NPT
Output: form "A" relay contact	
	30 Vdc @ 1 A
	115 Vac @ 0.3A
Input :	24Vdc @ 0.060A
Indicators: Yellow - Power OK	
	Red led - No Flow
	Green led - Flow
Pressure:	90 PSI



Note: Cable is ordered separately
3 lengths are available

SIZE	EI P/N	HUBBLE P/N
2 Meter	940010	MCMS2612
4 Meter	940011	MCMS2614
5 Meter	940012	MCMS2615



Plug Connections		
PIN	WIRE COLOR	DESCRIPTION
1.	Red-White	N/C
2.	Red	+24Vdc
3.	Green	Ground
4.	Red Yellow	N/C Relay contact
5.	Red Black	Relay Common
6.	Red Blue	N/O Relay contact

Directions:

Apply 24 Vdc power - the yellow power led should be lit.

Push the "No Flow" button to acquire the no-flow signal.

Push the "Flow" button while you are flowing media to acquire the "flow" signal.

The relay will transfer (close contact) during the "flow" condition (green led "ON").

Whenever the flow signal is less than 50% of the acquired "flow" signal the relay will deactivate (red led "ON").

The "pin" sensor in the center block is replaceable. Contact factory for details.