

MEDIAMATE® • PRESSURE TRANSDUCER

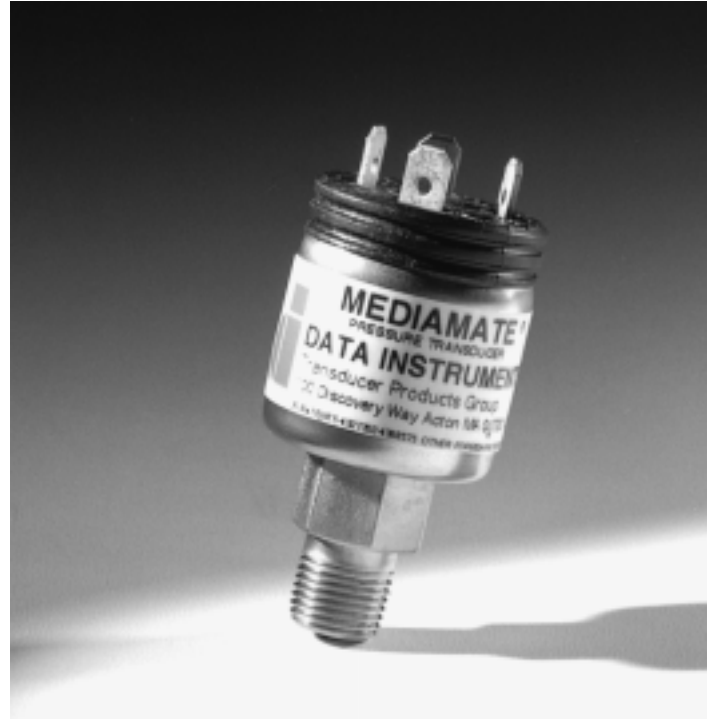
APPLICATIONS

- HVAC
- GAS CHROMATOGRAPHY
- PAINT SPRAYING SYSTEMS
- ELECTRONIC PRESSURE SWITCHES
- MEDICAL DIAGNOSTICS
- HEAT PUMPS
- HYDRAULIC CONTROLS
- IRRIGATION SYSTEMS
- AUTOMOTIVE

The MEDIAMATE® pressure transducer provides you with the corrosion resistance of stainless steel at low OEM pricing.

It is fully compensated and completely interchangeable without further calibration.

The MEDIAMATE's wetted parts and outer case are made from 300 series stainless steel. It is now being used with a wide variety of corrosive media such as Freon®, ammonia, water, and hydraulic fluids. Its rugged construction and proven reliability make it truly cost effective.



FEATURES

- Low cost
- Rugged, compact configuration
- PC mountable
- Threaded port

BENEFITS

- For use by the OEM
- Easy to package
- Mounting flexibility
- No adapter required

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TECHNICAL SPECIFICATIONS

RANGE

0-15, 25, 50, 100, 200 PSIG	0-500, 1000, 2000, 5000, 7112 PSIG
(0-1, 2, 3.5, 7, 14 bar g)	(0-35, 70, 138, 345, 490 bar g)
(bar values are approximate)	

PHYSICAL

Proof Pressure	2 x rated range	1.5 x rated range
Burst Pressure	10 x rated range	5 x rated range 25,000 PSI (1725 bar) max
Material in Contact With Media	Braze assembly of 300 series stainless steel parts	
Shock	50 g's peak (11 milliseconds)	
Vibration	Meets MIL-STD-810-C, Figure 514.2-5, Curve AP, 46.3 g rms minimum	
Weight	Less than 3 oz (85 gm)	

ELECTRICAL

Full Scale Output	50 ± 1 mVdc at rated excitation voltage @ 25°C	
Zero Output	0.0 ± 2.5 mVdc @ 25°C	
Excitation	5.0 Vdc recommended, 6.0 Vdc maximum	
Input Impedance	500	(nominal)
Output Impedance	900	(nominal)
Insulation Resistance	1000 M	@ 50 Vdc maximum
Electrical Connection	Flat connector, Hollingsworth S09617SF or equivalent (Thomas and Betts AD-183 or BD-183, if using boot)	

PERFORMANCE

Accuracy	0.5% FSO BFSI, 50 PSI and up, ± 1% FSO BFSI, 15, 25 PSI. Includes effects of nonlinearity, hysteresis and nonrepeatability	
Operating Temperature Range	-40° to 100°C (-40° to 212°F) Hirschmann, -40° to 90°C (-40° to 194°F)	
Compensated Temperature Range	-1° to 82°C (30° to 180°F)	
Thermal Effect on Zero	Less than ± 1% FSO for any 55°C (100°F) change within the compensated range	
Thermal Effect on Full Scale Output	Less than ± 1% or any 55°C (100°F) change within the compensated range	

OPTIONS

- Port with 1/8" BSP (parallel) thread,
14 mm hex nut
- Protective boot
- Hirschmann connector, including mate

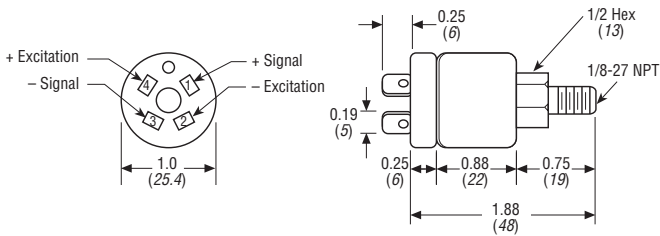


MEDIAMATE® with Hirschmann connector option

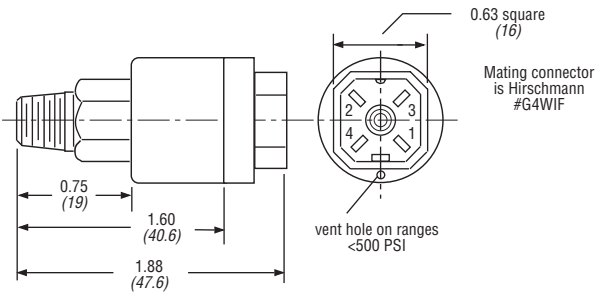
DIMENSIONS

xx.xx = inches
(xx.x) = mm

Mediamate with Hollingsworth



Mediamate with Hirschmann



Pin codes are for optional Hirschmann and Hollingsworth connectors

PIN CODES

Hollingsworth Pin Code	Hirschmann Pin Code	Function
1	1	+ Signal
2	2	- Excitation
3	3	- Signal
4	4	+ Excitation

Note:

- All specifications are measured at 25°C and rated excitation unless otherwise stated