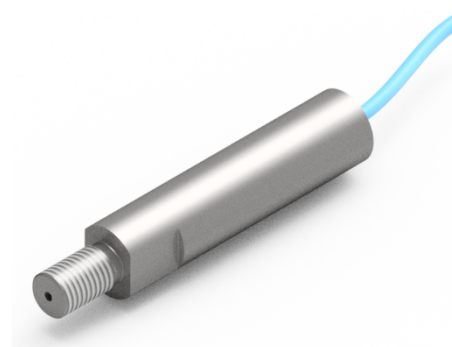


THREAD MOUNT PRESSURE TRANSDUCERS

MP 56 – CONSTANT VOLTAGE OUTPUT
MP 562 – CONSTANT CURRENT OUTPUT

GENERAL

- Threaded, miniature, low cost pressure transducers
- Made of corrosive resistant titanium (6AL4V) – excellent performance with most corrosive media
- **INSENSITIVE TO SCREW DOWN TORQUE**
- 1/4 NPT, 1/8 NPT or metric threaded option
- **Coating options** for liquids and bio-fluids (PTFE or nanostructured surface)
- Compatible with Micron’s and Swagelock pressure fittings



MECHANICAL

Standard pressure ranges	3.5	7	15	20	35	70	140	200	350	500	bar
	50	100	200	300	500	1000	2000	3000	5000	7000	psi
Non-standard pressure ranges					0.7	1	1.7				bar
					10	15	25				psi
Over Pressure (No change out of spec.)					2 x Range						
Usable Pressure (Small change in balance)					3 x Range						
Burst Pressure					6 x Range						

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THREAD MOUNT PRESSURE TRANSDUCERS

PERFORMANCE

OPTIONS (ALL VALUES MAXIMUM)

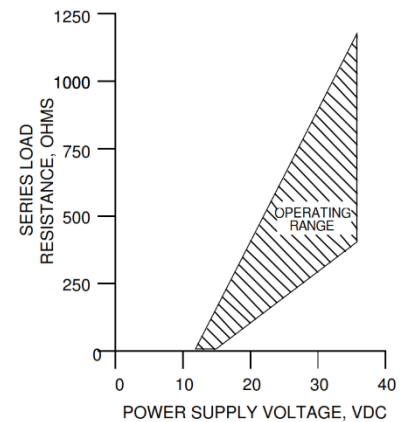
Performance Option	A (STD)	B	C	D	
Balance (Zero) MP56	± 3.00	± 2.00	± 2.00	± 2.00	mV
Full Scale Sensitivity MP56	20 ± 2.00	20 ± 2.00	20 ± 2.00	20 ± 2.00	mV/V
Balance (Zero) MP562	4 ± 0.50	4 ± 0.30	4 ± 0.20	4 ± 0.20	mA
Full Scale Sensitivity MP562	20 ± 0.50	20 ± 0.30	20 ± 0.20	20 ± 0.20	mA
Static Error Band	± 0.5	± 0.25	± 0.25	± 0.25	% FS (BFSL)
Thermal Balance (Zero) Shift	± 0.036	± 0.036	± 0.018	± 0.009	% FS/°C
Thermal Sensitivity Shift	± 0.036	± 0.036	± 0.018	± 0.009	% FS/°C
Long Term Stability (std)	$< \pm 2$	$< \pm 2$	$< \pm 2$	$< \pm 2$	% FS/yr

ENVIRONMENTAL

Storage and Operating Temperature	-20°C to +80° C
Compensated Temperature Range (Consult factory for other ranges)	0°C to +55°C
Extended Temperature Range	-54 °C to + 95 °C
Acceleration (Consult factory for high vibration options)	100g's any axis
Media Compatibility (wetted surface)	Titanium 6AL4V

ELECTRICAL

	MP 56	MP 562
Input Constant Voltage Excited [V DC]	5 or 10	12 to 32
Maximum Voltage (short periods) [V]	50	32
Input Resistance [Ω]	1400 ± 400	-
Output Resistance [Ω]	850 ± 200	-
Load Resistance [Ω]	-	See chart
Insulation Resistance Minimum @50 VDC [$M\Omega$]	50	50

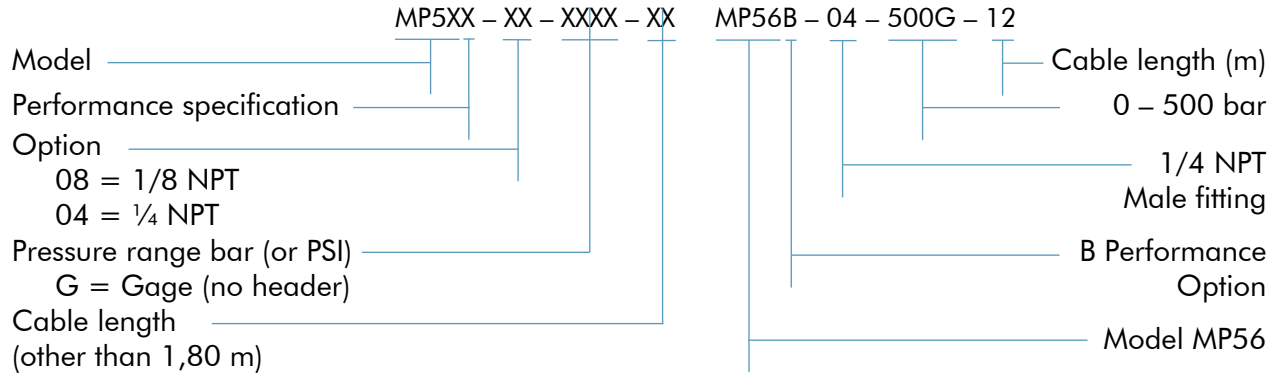


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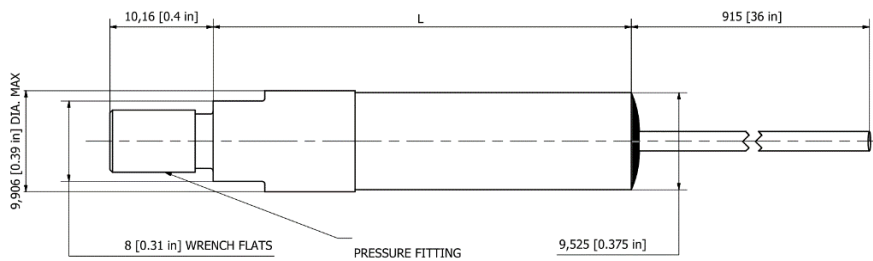
Place of business: Via Grazioli 2, 21052 Busto Arsizio (VA) Italy, - Registered office: Via Podgora 15, 20122 Milan, Italy
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THREAD MOUNT PRESSURE TRANSDUCERS

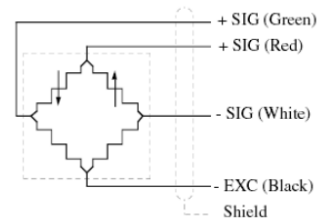
ORDERING FORMAT EXAMPLE



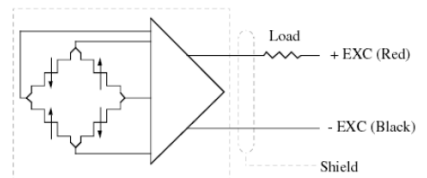
OUTLINE AND OUTPUT SCHEMATIC



MP 56 mV output



MP 562 mA



Unit type	Transducer length L
Gage	52,07 mm [2.05 in]
Absolute, sealed reference	59,69 mm [2.35 in]

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