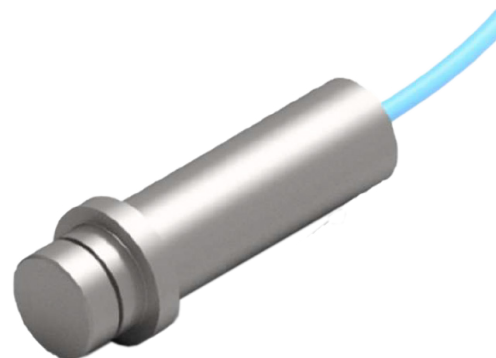




bar **MP402**
Flush Mount Pressure Transmitter

- Flush mountable, miniature, low cost pressure sensor
- Automatic compensation for line resistance and power supply changes
- Made of corrosive resistant titanium (6AL4V) – excellent performance with most corrosive media
- Absolute or sealed reference options
- Long term stability options
- High vibrations options
- Coating options for liquids and bio-fluids (PTFE or nanostructured surface)
- Compatible with Micron’s pressure fittings and calibration adaptors



MECHANICAL

Standard pressure ranges	2	3.5	7	15	20	35	70	140	200	350	500	bar
	25	50	100	200	300	500	1000	2000	3000	5000	7000	psi
Non-standard pressure ranges	1	1.5	2	2.5	3	5	10	17.5	30	700		bar
	15	20	30	35	40	75	150	250	400	1000		psi

Other possible ranges	Consult Factory
Over Pressure (No change out of spec.)	2 x Range
Usable Pressure (Small change in balance)	3 x Range
Burst Pressure	6 x Range

PERFORMANCE

Performance Option	A (STD)	B	C	D	
Balance (Zero)	4.00 ± 0.5	4.00 ± 0.3	4.00 ± 0.2	4.00 ± 0.2	mV
Full Scale Sensitivity	16 ± 0.5	16 ± 0.3	16 ± 0.2	16 ± 0.2	mV/V
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)	< ± 2	< ± 2	< ± 2	< ± 2	% FS/yr
Long Term Stability Options	L10 < ± 1	L5 < ± 0.5	L2 < ± 0.2	L1 < ± 0.1	% FS/yr

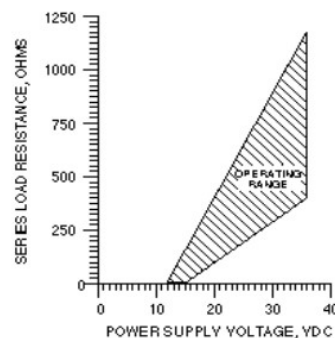


ENVIRONMENTAL

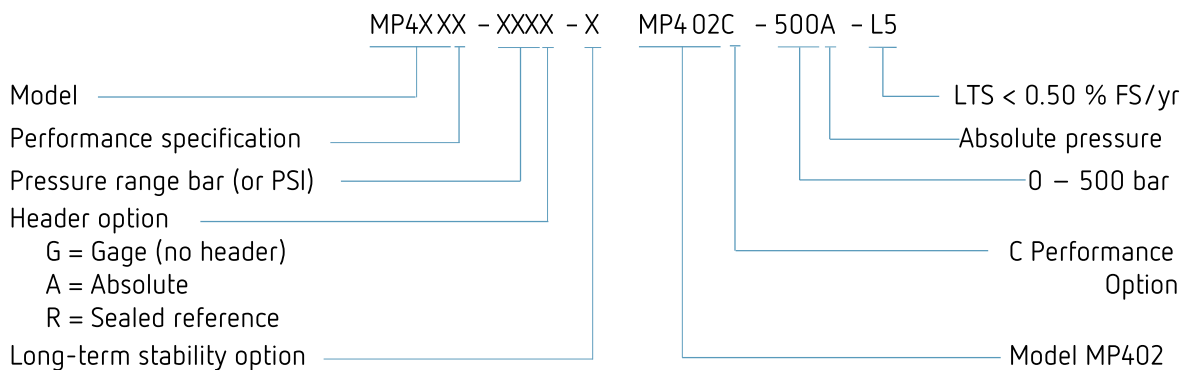
Storage and Operating Temperature	-20°C to + 80°C
Compensated Temperature Range (Consult factory for other ranges)	0°C to +55°C
Extended Temperature Range	-54°C to + 95°C
Acceleration (Consult factory for high vibration options)	100g's any axis
Media Compatibility (wetted surface)	Titanium 6AL4V

ELECTRICAL

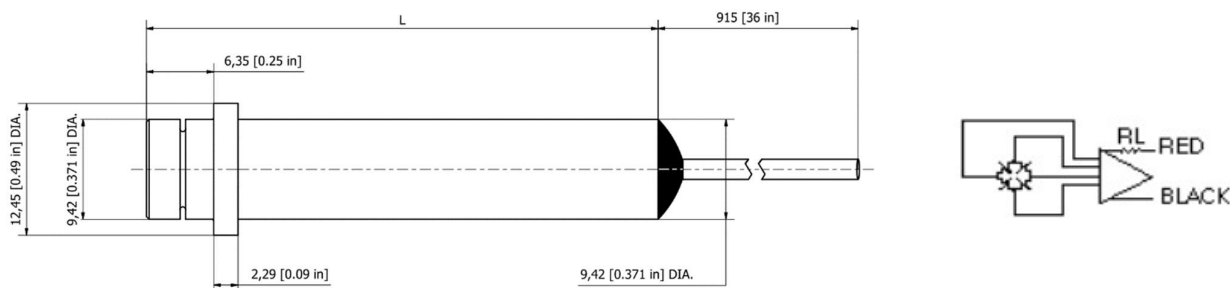
Input Constant Voltage Excited [V DC]	12-38
Maximum Voltage (for short periods) [V]	40
Input Resistance [Ω]	see chart
Insulation Resistance Minimum @50 VDC [M Ω]	50



ORDERING FORMAT EXAMPLE



OUTLINE



Unit type	Transducer length L
Gage	50,80 mm [2 in]
Absolute, sealed reference	58,42 mm [2.3 in]