

MP1M SERIES



MP1M - Mini Rigid Stem

FEATURES MP1M - Compact Transducer

- *Miniature Style
- * Interchangeable with Competitor's models
- * Standard 3.33mV/V , 6pin Connector
- * 0.5% combined error
- * 80% Output Cal
- * Ranges 0-5,000 and 0-10,000psi
- * 750°F (400°C) Rating, Standard INCONEL Tip

MP1M

X

1 - 3.33mV/V

P XX X

5

10

M - Psi x1000
B - BAR x100
P - Mpa

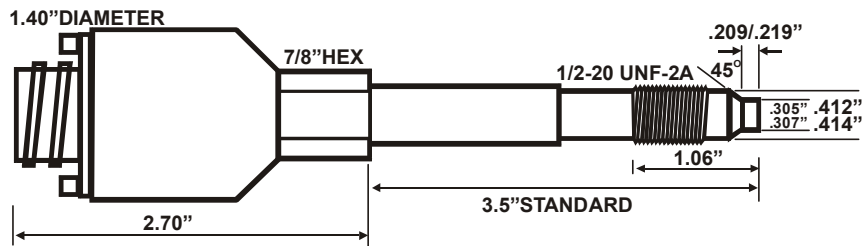
X

S - 6PIN BAYONET
8 - 8PIN SCREW
B - BC WIRING
G - 6PIN SCREW

X

S - STANDARD INCONEL
C - CHROMIUM NITRIDE
T - TITANIUM NITRIDE
I - INCONEL TIP & THREADS
H - HASTELLOY
3 - TRIPLE WEAR TIP
D - DIAMOND PARTICULATE

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SPECIFICATIONS

MECHANICAL

RANGES
0-5000 or 10000psi

MAX ERROR
+/-0.5% Of Full Scale

REPEATABILITY
+/-0.2% Of Full Scale

OVERLOAD CAPABILITY
2x Full Scale or 30,000psi MAX

MOUNTING TORQUE
150 inch-lbsMIN 500 inch-lbsMAX

TEMPERATURE EFFECTS

MAXIMUM DIAPHRAGM TEMP
750°F (400°C)

ZERO SHIFT of DIAPHRAGM
15psi / 100°F

MAXIMUM HOUSING TEMP
250°F (120°C)

ZERO SHIFT of ELECTRONICS
1% / 100°F

ELECTRICAL

MEASURING SENSOR
Wheatstone Bridge
Strain Gauge

ELEMENT RESISTANCE
350ohm +/- 1% Of Full Scale

INTERNAL SHUNT CALIBRATION
80%+/-0.5% Of Full Scale

ZERO BALANCE
+/-10% FULL SCALE

OUTPUT 3.33mV/V or 2.5mV/V
EXCITATION 7-12VDC
RECOMMENDED - 10VDC