

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

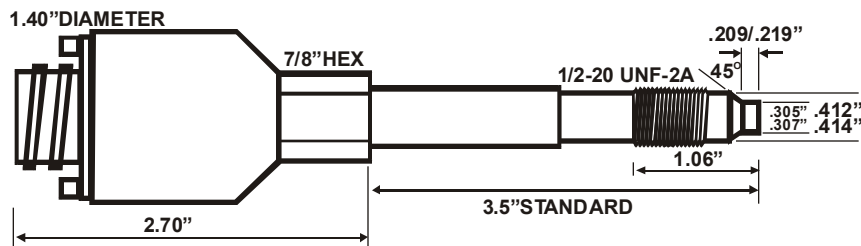
I - INCONEL TIP & THREADS

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