

HYDRAULIC PRESSURE TRANSDUCERS / TRANSMITTERS

MHP SERIES TRANSDUCERS



MHP - Transducer

MHP - X

3 - 3mV/V
2 - 2.5mV/V
1
1.5
3
5
7.5
10
15 30
20 50

P XX X

M - Psi x1000
C - Psi x100
B - BAR x100
P - Psi

X

S - 6PIN BAYONET
4 - 4POLE DIN

X

S - 1/4"-18 NPT MALE
8M - 1/8"-27 NPT MALE
8F - 1/8"-27 NPT FEMALE

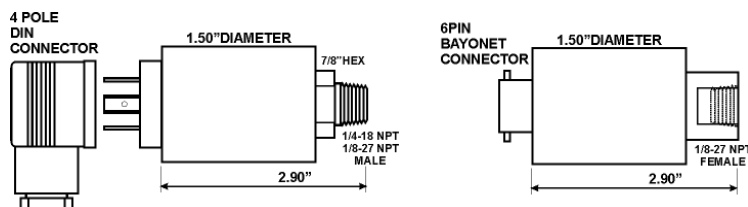
STOCK LIST - MHP (3mV/V)		
PRESS (psi)	1/8-27NPT (female)	1/4-18NPT (male)
500	✓	✓
1,000	✓	✓
2,500	✓	✓
3,000	✓	✓
5,000	✓	✓
10,000	✓	✓

FEATURES MHP

- * Standard 3mV/V
- * Standard 1/4"-18 NPT Male
- * 6pin Bayonet Connector
- * 0.5% combined error
- * 80% Output Calibration
- * 250°F (120°C) Rating
- * Ranges from 0-15 to 0-30,000psi
- * WETTED PARTS ALL STAINLESS STEEL

OPTIONS MHP

- * OUTPUT OPTIONS 2.5, 3.3mV/V
- * CONNECTOR OPTIONS 4 Pole DIN
- * PRESSURE PORT 1/8"-27 NPT Female 1/8"-27 NPT Male



MHT SERIES TRANSMITTERS



MHT - Transmitter

MHT - X

4 - 4-20mA
5 - 0-5VDC
6 - 1-6VDC(3WIRE)
7 - 0-10VDC
8 - 1-11VDC(3WIRE)
1
1.5
3
5
7.5
10
15 30
20 50

P XX X

M - Psi x1000
C - Psi x100
B - BAR x100
P - Psi

X

S - 6PIN BAYONET
4 - 4POLE DIN

X

S - 1/4"-18 NPT MALE
8M - 1/8"-27 NPT MALE
8F - 1/8"-27 NPT FEMALE

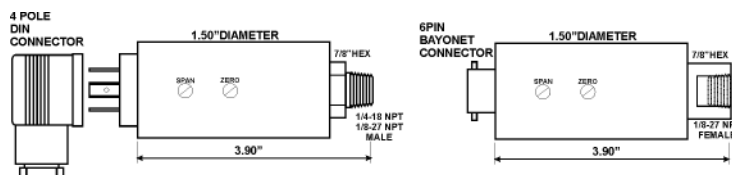
STOCK LIST - MHT			
OUTPUT	PRESS (psi)	1/8-27NPT (female)	1/4-18NPT (male)
4-20mA	500	✓	✓
and	1,000	✓	✓
0-10VDC	2,500	✓	✓
	3,000	✓	✓
	5,000	✓	✓
	10,000	✓	✓

FEATURES MHT

- * Standard 4-20mA
- * Standard 1/4"-18 NPT Male
- * 6pin Bayonet Connector
- * 0.5% combined error
- * 80% Output Calibration
- * 250°F (120°C) Rating
- * Ranges from 0-15 to 0-30,000psi
- * WETTED PARTS ALL STAINLESS STEEL

OPTIONS MHT

- * OUTPUT OPTIONS 0-20mA 0-5VDC 0-10VDC
- * CONNECTOR OPTIONS 4 Pole DIN
- * PRESSURE PORT 1/8"-27 NPT Female 1/8"-27 NPT Male



SPECIFICATIONS

MECHANICAL

- RANGES**
 - MAX 0-15psig
 - MIN 0-20000psi
- OVERLOAD CAPABILITY**
 - 2x Full Scale or 30,000psi MAX
- ENCLOSURE RATING**
 - Ip65 (NEMA 4)
- OPERATING POSITION**
 - NO RESTRICTIONS

TEMPERATURE EFFECTS

- MAXIMUM DIAPHRAGM TEMP**
 - 250°F (120°C)
- ZERO SHIFT of DIAPHRAGM**
 - 0.15% of FULL SCALE
- MAXIMUM HOUSING TEMP**
 - 250°F (120°C)

ELECTRICAL

- MEASURING SENSOR**
 - Wheatstone Bridge
 - Strain Gauge
- ELEMENT RESISTANCE**
 - 350ohm +/-1% Of Full Scale
- INTERNAL SHUNT CAL (MHP)**
 - 80%+/-0.5% Of Full Scale
- MAX ERROR**
 - 0.5% of FULL SCALE
- ZERO & SPAN ADJUST (MHT)**
 - +/-15% of FULL SCALE

RESPONSE TIME

- 15mS
- REPEATABILITY**
 - 0.05% of FULL SCALE
- OUTPUT (MHP)**
 - 2.5 or 3.0 mV/V
- EXCITATION 7-12VDC (Standard 10VDC)**
- OUTPUT (MHT)**
 - 4-20 mA, 14-36VDC, 0-1100ohm
 - 0-5 or 1-6 VDC, 11-36VDC, 2000ohm min
 - 0-10 or 1-11VDC, 14-36VDC, 2000ohm min