

MHP SERIES - PRESSURE TRANSDUCER

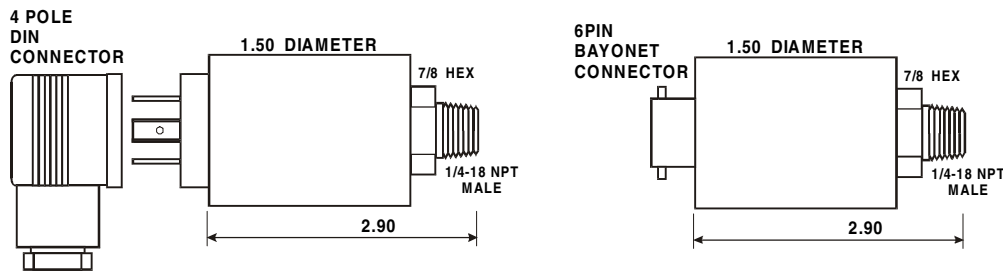


FEATURES MHP

- * Standard 3mV/V
- * Standard 1/8"-27 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**
1mV/V 2mV/V
- * **CONNECTOR OPTIONS**
4 Pole DIN
- * **PRESSURE PORT**
1/8"-27 NPT Female
1/8"-27 NPT Male



ORDER CODE

MHP - X	P XX X	X	X
3 - 3mV/V	1 M - Psi x1000 1.5 C - Psi x100 3 B - BAR x100 5 P - Psi 7.5 10 15 30 20 50	S - 6PIN BAYONET 4 - 4POLE DIN	S - 1/4 -18 NPT MALE 8M - 1/8 -27 NPT MALE 8F - 1/8 -27 NPT FEMALE

STOCK LIST - MHP

PART#	PRESS (psi)	OUTPUT
MHP-3P15PxS	15	3m V/V
MHP-3P30PxS	30	3m V/V
MHP-3P50PxS	50	3m V/V
MHP-3P1CxS	100	3m V/V
MHP-3P1.5CxS	150	3m V/V
MHP-3P3CxS	300	3m V/V
MHP-3P5CxS	500	3m V/V
MHP-3P1MxS	1,000	3m V/V
MHP-3P2MxS	2,000	3m V/V
MHP-3P5MxS	5,000	3m V/V
MHP-3P10MxS	10,000	3m V/V

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 CALIBRATION**
80% +/-0.5% Of Full Scale
- MAX ERROR**
0.5% of FULL SCALE

RESPONSE TIME

- 15mS
- REPEATABILITY**
0.05% of FULL SCALE
- OUTPUT 3mV/V or 1, 2 mV/V**
EXCITATION 7-12VDC
RECOMMENDED - 10VDC

MHT SERIES - PRESSURE TRANSMITTER

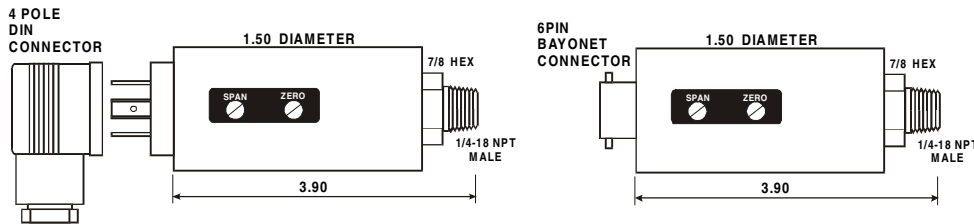


FEATURES MHT

- * Standard 4-20mA
- * Standard 1/8"-27 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



ORDER CODE

MHT - X	P XX X	X	X
4 - 4-20mA	1 M - Psi x1000	S - 6PIN BAYONET	S - 1/4 -18 NPT MALE
5 - 0-5VDC	1.5 C - Psi x100	4 - 4POLE DIN	8M - 1/8 -27 NPT MALE
6 - 1-5VDC	3 B - BAR x100		8F - 1/8 -27 NPT FEMALE
7 - 0-10VDC	5 P - Psi		
	7.5		
	10		
	15 30		
	20 50		

STOCK LIST - MHT

PART#	PRESS (psi)	OUTPUT
MHT-4P15PxS	15	4-20mA
MHT-4P30PxS	30	4-20mA
MHT-4P50PxS	50	4-20mA
MHT-4P1CxS	100	4-20mA
MHT-4P1.5CxS	150	4-20mA
MHT-4P3CxS	300	4-20mA
MHT-4P5CxS	500	4-20mA
MHT-4P1MxS	1,000	4-20mA
MHT-4P2MxS	2,000	4-20mA
MHT-4P5MxS	5,000	4-20mA
MHT-4P10MxS	10,000	4-20mA

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 CALIBRATION
80% +/-0.5% Of Full Scale

MAX ERROR
0.5% of FULL SCALE

RESPONSE TIME
15mS

REPEATABILITY
0.05% of FULL SCALE

ZERO ADJUSTMENT
+/-15% FULL SCALE

SPAN ADJUSTMENT
+/-15% FULL SCALE

OUTPUT 4-20mA, 2 WIRE
EXCITATION 14-36VDC
LOAD RESISTANCE 0-1,100ohm

OUTPUT 0-5VDC
EXCITATION 11-36VDC
LOAD RESISTANCE 2,000 MIN

OUTPUT 0-10VDC
EXCITATION 14-36VDC
LOAD RESISTANCE 2,000 MIN