

MHT310 INDUSTRIAL PRESSURE TRANSMITTER



FEATURES

Piezoresistance Silicon Chip
Ultra Stable MEMS Technology
Output - 4-20mA or 0-10VDC
Accuracy +/-0.5%
250°F (125°C) Rating
Ranges from Vacuum to 30psi
to 0-10,000psi
Standard - Gauge Pressure
Pressure Port - 1/4"NPT
Wetted Parts - All Stainless Steel
4pin Connector or 78"PVC Leads
IP65

OPTIONS

OUTPUT OPTIONS

0-5VDC 1-5VDC

Option - Absolute Pressure

Sealed Gauge Pressure

Pressure Port - 1/8"MNPT

1/8"FNPT

Custom

ORDER CODE

MHT31	X	- X	XX	X	X	X
4 - 4-20mA	P - 0psi Low Pressure	1	S - Psi	S - 1/4"MNPT	4 - 4pin DIN (mini)	- - Gauge Pressure
5 - 0-5VDC	V - (-14.7psi) Vacuum	1.5	C - Psi x 100	8 - 1/8"MNPT	W - 78"(2m) PVC	A - Absolute Pressure
6 - 1-5VDC	Low Pressure	3	M - Psi x 1000			S - Sealed Gauge Pressure
7 - 0-10VDC		5	B - Bar x 100			
		7.5	P - MPa			
		10				
		15				
		20				

STOCK LIST 4-20mA

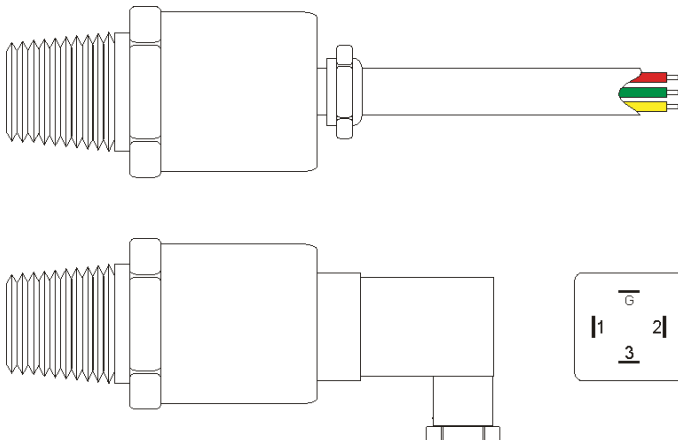
PART#	PRESSURE	OUTPUT	CONNECTOR	PORT
MHT314V30SS4	(-14.7)-30psi	4-20mA	4pin DIN	1/4"MNPT
MHT314P30SS4	0-30psi	4-20mA	4pin DIN	1/4"MNPT
MHT314P60SS4	0-60psi	4-20mA	4pin DIN	1/4"MNPT
MHT314P100SS4	0-100psi	4-20mA	4pin DIN	1/4"MNPT
MHT314P150SS4	0-150psi	4-20mA	4pin DIN	1/4"MNPT
MHT314P250SS4	0-250psi	4-20mA	4pin DIN	1/4"MNPT
MHT314P500SS4	0-500psi	4-20mA	4pin DIN	1/4"MNPT
MHT314P1MS4	0-1,000psi	4-20mA	4pin DIN	1/4"MNPT
MHT314P2MS4	0-2,000psi	4-20mA	4pin DIN	1/4"MNPT
MHT314P3MS4	0-3,000psi	4-20mA	4pin DIN	1/4"MNPT
MHT314P5MS4	0-5,000psi	4-20mA	4pin DIN	1/4"MNPT
MHT314P10MS4	0-10,000psi	4-20mA	4pin DIN	1/4"MNPT

PART#	PRESSURE	OUTPUT	CONNECTOR	PORT
MHT314V30SSW	(-14.7)-30psi	4-20mA	78"(2m) PVC wire	1/4"MNPT
MHT314P30SSW	0-30psi	4-20mA	78"(2m) PVC wire	1/4"MNPT
MHT314P60SSW	0-60psi	4-20mA	78"(2m) PVC wire	1/4"MNPT
MHT314P100SSW	0-100psi	4-20mA	78"(2m) PVC wire	1/4"MNPT
MHT314P150SSW	0-150psi	4-20mA	78"(2m) PVC wire	1/4"MNPT
MHT314P250SSW	0-250psi	4-20mA	78"(2m) PVC wire	1/4"MNPT
MHT314P500SSW	0-500psi	4-20mA	78"(2m) PVC wire	1/4"MNPT
MHT314P1MSW	0-1,000psi	4-20mA	78"(2m) PVC wire	1/4"MNPT
MHT314P2MSW	0-2,000psi	4-20mA	78"(2m) PVC wire	1/4"MNPT
MHT314P3MSW	0-3,000psi	4-20mA	78"(2m) PVC wire	1/4"MNPT
MHT314P5MSW	0-5,000psi	4-20mA	78"(2m) PVC wire	1/4"MNPT
MHT314P10MSW	0-10,000psi	4-20mA	78"(2m) PVC wire	1/4"MNPT

STOCK LIST 0-10V

PART#	PRESSURE	OUTPUT	CONNECTOR	PORT
MHT317V30SS4	(-14.7)-30psi	0-10V	4pin DIN	1/4"MNPT
MHT317P30SS4	0-30psi	0-10V	4pin DIN	1/4"MNPT
MHT317P60SS4	0-60psi	0-10V	4pin DIN	1/4"MNPT
MHT317P100SS4	0-100psi	0-10V	4pin DIN	1/4"MNPT
MHT317P150SS4	0-150psi	0-10V	4pin DIN	1/4"MNPT
MHT317P250SS4	0-250psi	0-10V	4pin DIN	1/4"MNPT
MHT317P500SS4	0-500psi	0-10V	4pin DIN	1/4"MNPT
MHT317P1MS4	0-1,000psi	0-10V	4pin DIN	1/4"MNPT
MHT317P2MS4	0-2,000psi	0-10V	4pin DIN	1/4"MNPT
MHT317P3MS4	0-3,000psi	0-10V	4pin DIN	1/4"MNPT
MHT317P5MS4	0-5,000psi	0-10V	4pin DIN	1/4"MNPT
MHT317P10MS4	0-10,000psi	0-10V	4pin DIN	1/4"MNPT

PART#	PRESSURE	OUTPUT	CONNECTOR	PORT
MHT317V30SSW	(-14.7)-30psi	0-10V	78"(2m) PVC wire	1/4"MNPT
MHT317P30SSW	0-30psi	0-10V	78"(2m) PVC wire	1/4"MNPT
MHT317P60SSW	0-60psi	0-10V	78"(2m) PVC wire	1/4"MNPT
MHT317P100SSW	0-100psi	0-10V	78"(2m) PVC wire	1/4"MNPT
MHT317P150SSW	0-150psi	0-10V	78"(2m) PVC wire	1/4"MNPT
MHT317P250SSW	0-250psi	0-10V	78"(2m) PVC wire	1/4"MNPT
MHT317P500SSW	0-500psi	0-10V	78"(2m) PVC wire	1/4"MNPT
MHT317P1MSW	0-1,000psi	0-10V	78"(2m) PVC wire	1/4"MNPT
MHT317P2MSW	0-2,000psi	0-10V	78"(2m) PVC wire	1/4"MNPT
MHT317P3MSW	0-3,000psi	0-10V	78"(2m) PVC wire	1/4"MNPT
MHT317P5MSW	0-5,000psi	0-10V	78"(2m) PVC wire	1/4"MNPT
MHT317P10MSW	0-10,000psi	0-10V	78"(2m) PVC wire	1/4"MNPT



WIRING - "W"

CURRENT(2wire)	VOLTAGE(3wire)
RED : +EXCITATION	RED : +EXCITATION
GREEN : +OUTPUT	GREEN : -EXCITATION
	YELLOW : +OUTPUT

WIRING - "4"

CURRENT(2wire)	VOLTAGE(3wire)
PIN 1 : +EXCITATION	PIN 1 : +EXCITATION
PIN 2 : +OUTPUT	PIN 2 : -EXCITATION
	PIN 3 : +OUTPUT

SPECIFICATIONS

MECHANICAL

Ranges: 0-15 to
0-10,000psi
Overload Capab: 2x FS
Enclosure Rating: IP65
Wetted Materials: 316 S/S

TEMPERATURE

Operating Temp Range:
-40 to 250°F(120°C)
Comp. Temp Range:
-20 to 185°F(85°C)

ELECTRICAL

Max Error: 0.5% of FS
Repeatability: +/-0.2%
Long Term Stability: +/-0.2%FS/YR
Response Time: 15mS
Excitation(MHT): 24VDC (13-30V)