



MELT PRESSURE PRODUCTS

TRANSDUCERS & TRANSMITTERS



750°F (400°C) **Mercury** Fill
750°F (400°C) **Mercury Free** Fill
1000°F (538°C) **NaK - Mercury Free** Fill

INDICATORS , GAUGES, RUPTURE DISKS



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MP100 SERIES



MP100 SERIES

The diaphragm transmits pressure through the fluid filled capillary for high temperature stability. Four active arm wheatstone bridge strain gage ensures high accuracy. The rigid stem makes installation fast and easy.

FEATURES MP100/200

Fluid filled system
Standard 3.33mV/V
6pin Bayonet Connector
6" Stem
18" Flex Hose (MP200)
0.5% combined error
80% Output Calibration
Interchangeable with all Competitor's models
750°F (400°C) Rating
Ranges from
0-500 to 0-30,000psi
Standard Inconel Diaphragm

MP200 SERIES



MP200 SERIES

SAME AS MP100 PLUS:

18" flexible capillary with stainless armour coating. This provides further thermal isolation and installation flexibility.

OPTIONS MP100/200

OUTPUT OPTION

2.5mV/V

CONNECTOR OPTIONS

8pin 6pin-SCREW

3,4,9,12,18"STEM

24,30 or 60" Flex Hose (MP200)

OPTIONAL DIAPHRAGMS

Hastelloy

Titanium Nitride

Inconel Tip + Threads

Option "E" - Epoxy filled can

Option "W" - Tig Welded Can with Epoxy Fill

MPX SERIES



MPX SERIES

SAME AS MP200 PLUS:

Temperature sensor mounted behind diaphragm. This provides temperature and pressure measurement from a single hole.

The temperature sensor is field replaceable without removing pressure sensor.

FEATURES MPX

same as MP200 Plus

Thermocouple J

Field replaceable

OPTIONS MPX

same as MP200 Plus

Temperature Sensors

Thermocouple K

Pt100 RTD sensor

SPECIFICATIONS

MECHANICAL

Ranges: 0-500 to 0-30,000psi
Max Error: 0.5% of Full Scale
Repeatability: +/-0.2%
Overload Capab: 2x Full Scale
Mount Torque: 150in-500 in-lbs

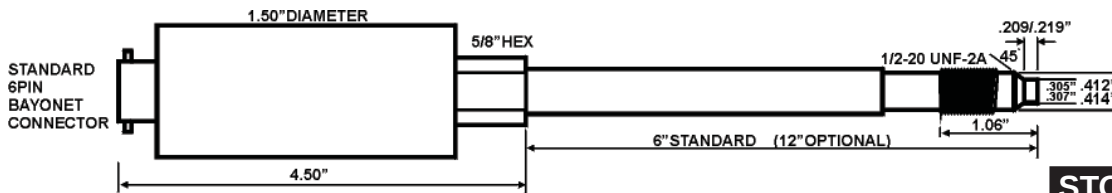
TEMPERATURE

Max Diaph. Temp: 750°F(400°C)
Zero Shift of Diaph.: 15psi/100°F
Zero Shift of Elect.: 1%/100°F
Max Housing Temp: 250°F(120°C)

ELECTRICAL

Measuring Sensor: 350ohm Wheatstone Bridge
Internal Shunt Cal(2.5 or 3.3mV/V): 80% of FS
Excitation: 2.5 or 3.3mV/V(7-12V recommend10V)

MP100 TRANSDUCER - RIGID STEM



ORDER CODE

MP1 X
 0 - 6"stem
 8 - 8"stem
 9 - 9"stem
 1 - 12"stem

X - P XX
 1 - 3.3mV/V
 2 - 2.5mV/V

X
 1 - Psi x 1000
 1.5 - Bar x 100
 3 - MPa
 5 - kg/cm2
 7.5 15
 10 20

X
 M - Psi x 1000
 B - Bar x 100
 P - MPa
 K - kg/cm2

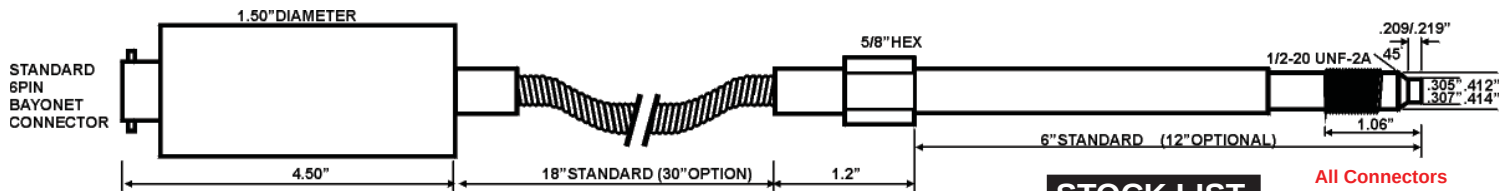
X
 S - 6pin Bayonet
 G - 6pin Screw
 8 - 8pin Screw
 N - 1/2"NPT+ 36"Teflon

X
 S - Standard Inconel
 C - Chromium Nitride
 T - Titanium Nitride
 I - Inconel Tip + Threads
 H - Hastelloy
 D - Diamond Particulate

X
 - 1/2"-20UNF
 M18 - M18x1.5
 M10 - M10x1.0
 .25 - 0.25% Accuracy
 E - Epoxy Filled Can
 W - Tig Welded Can with Epoxy Fill

STOCK LIST		All Connectors 3.3mV/V, Inconel Tip	
PSI	STEM		
750	6"		
1000	6"		
1500	6"		
3000	6", 12"		
5000	6", 9", 12"		
7500	6", 12"		
10,000	6", 9", 12"		
15,000	6"		
20,000	6"		

MP200 TRANSDUCER - RIGID STEM + FLEX



ORDER CODE

MP2 X
 0 - 6"stem+18"Flex
 1 - 12"stem+18"Flex
 3 - 6"stem+30"Flex
 4 - 12"stem+30"Flex
 8 - 8"stem+18"Flex
 9 - 9"stem+18"Flex

X - P XX
 1 - 3.3mV/V
 2 - 2.5mV/V

X
 1 - Psi x 1000
 1.5 - Bar x 100
 3 - MPa
 5 - kg/cm2
 7.5 15
 10 20

X
 M - Psi x 1000
 B - Bar x 100
 P - MPa
 K - kg/cm2

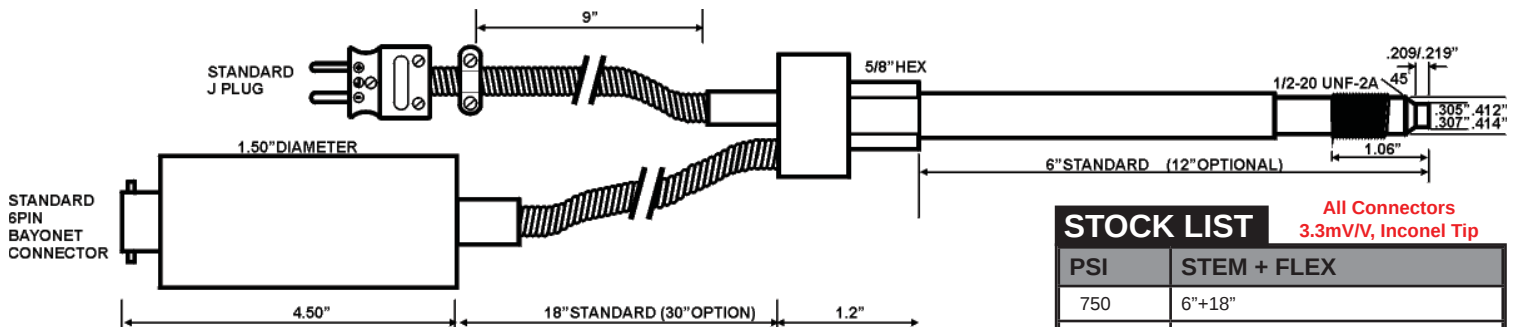
X
 S - 6pin Bayonet
 G - 6pin Screw
 8 - 8pin Screw
 N - 1/2"NPT+ 36"Teflon

X
 S - Standard Inconel
 C - Chromium Nitride
 T - Titanium Nitride
 I - Inconel Tip + Threads
 H - Hastelloy
 D - Diamond Particulate

X
 - 1/2"-20UNF
 M18 - M18x1.5
 M10 - M10x1.0
 .25 - 0.25% Accuracy
 E - Epoxy Filled Can
 W - Tig Welded Can with Epoxy Fill

STOCK LIST		All Connectors 3.3mV/V, Inconel Tip	
PSI	STEM + FLEX		
750	6"+18"		
1000	6"+18"		
1500	6"+18", 12+18		
3000	6"+18", 12+18		
5000	6"+18", 9"+18, 12+18, 6+30, 12+30		
7500	6"+18"		
10,000	6"+18", 9"+18, 12+18, 6+30, 12+30		
15,000	6"+18"		
20,000	6"+18"		

MPX TRANSDUCER - PRESSURE + TEMPERATURE



ORDER CODE

MPX
 J - T/c J
 K - T/c K
 P - PT100

X
 0 - 6"stem+18"Flex
 1 - 12"stem+18"Flex
 3 - 6"stem+30"Flex
 4 - 12"stem+30"Flex
 8 - 8"stem+18"Flex
 9 - 9"stem+18"Flex

X - P XX
 1 - 3.3mV/V
 2 - 2.5mV/V

X
 1 - Psi x 1000
 1.5 - Bar x 100
 3 - MPa
 5 - kg/cm2
 7.5 15
 10 20

X
 M - Psi x 1000
 B - Bar x 100
 P - MPa
 K - kg/cm2

X
 S - 6pin Bayonet
 G - 6pin Screw
 8 - 8pin Screw
 N - 1/2"NPT+ 36"Teflon

X
 S - Standard Inconel
 C - Chromium Nitride
 T - Titanium Nitride
 I - Inconel Tip + Threads
 H - Hastelloy
 D - Diamond Particulate

X
 - 1/2"-20UNF
 M18 - M18x1.5
 M10 - M10x1.0
 .25 - 0.25% Accuracy
 E - Epoxy Fill Can
 W - Tig Welded Can with Epoxy Fill

STOCK LIST		All Connectors 3.3mV/V, Inconel Tip	
PSI	STEM + FLEX		
750	6"+18"		
1000	6"+18", 6+30		
1500	6"+18", 12+18, 6+30		
3000	6"+18", 12+18, 12+30		
5000	6"+18", 9"+18, 12+18, 6+30, 12+30		
7500	6"+18"		
10,000	6"+18", 9"+18, 12+18, 6+30, 12+30		
15,000	6"+18"		
20,000	6"+18"		

MT100 SERIES



MT100 SERIES

The diaphragm transmits pressure through the fluid filled capillary for high temperature stability. Four active arm wheatstone bridge strain gage ensures high accuracy. The rigid stem makes installation fast and easy.

FEATURES MT100/200

Fluid filled system
OUTPUT OPTIONS
 4-20mA
 0-5VDC 0-10VDC
 6pin Bayonet Connector
 6" Stem
 18" Flex Hose (MT200)
 0.5% combined error
 80% Output Calibration
 Interchangeable with all Competitor's models
 750°F (400°C) Rating
 Ranges from
 0-500 to 0-30,000psi
 Standard Inconel Diaphragm

MT200 SERIES



MT200 SERIES

SAME AS MT100 PLUS:

18" flexible capillary with stainless armour coating. This provides further thermal isolation and installation flexibility.

OPTIONS MT100/200

CONNECTOR OPTIONS
 8pin 6pin-CANNON
 3,4,9,12,18" STEM
 24,30 or 60" Flex Hose (MT200)
OPTIONAL DIAPHRAGMS
 Titanium Nitride
 Hastelloy
 Inconel Tip + Thread
 Option "E" - Epoxy filled can
 Option "W" - Tig Welded Can with Epoxy Fill

MTX SERIES



MTX SERIES

SAME AS MT200 PLUS:

Temperature sensor mounted behind diaphragm. This provides temperature and pressure measurement from a single hole. The temperature sensor is field replaceable without removing pressure sensor.

FEATURES MTX

same as MT200 Plus
 Thermocouple J
 Field replaceable

OPTIONS MTX

same as MT200 Plus
 Temperature Sensors
 Thermocouple K
 Pt100 RTD sensor

SPECIFICATIONS

MECHANICAL

Ranges: 0-500 to 0-30,000psi
Max Error: 0.5% of Full Scale
Repeatability: +/-0.2%
Overload Capab: 2x Full Scale
Mount Torque: 150in-500 in-lbs

TEMPERATURE

Max Diaph. Temp: 750°F(400°C)
Zero Shift of Diaph.: 15psi/100°F
Zero Shift of Elect.: 1%/100°F
Max Housing Temp: 250°F(120°C)

ELECTRICAL

Measuring Sensor: 350ohm Wheatstone Bridge
Zero&Span Adjust(0-5/10V or 4-20mA): +/-0.15% FS
Excitation: 0-10V(14-36V) 0-5V(11-36V)
 4-20mA(14-36V)

MPI pg.5



PSI	STEM
500	6"
750	6"
1000	6"
1500	6"
3000	6",12"
5000	6",9",12"
7500	6",12"
10,000	6",9",12"
15,000	6"
20,000	6"

ORDER CODE

PSI	STEM + FLEX
500	6"+18"
750	6"+18"
1000	6"+18"
1500	6"+18", 12+18
3000	6"+18", 12+18
5000	6"+18", 9"+18, 12+18, 6+30, 12+30
7500	6"+18"
10,000	6"+18", 9"+18, 12+18, 6+30, 12+30
15,000	6"+18"
20,000	6"+18"

ORDER CODE

PSI	STEM & FLEX
500	6"+18", 6+30
750	6"+18", 6+30
1000	6"+18", 6+30
1500	6"+18", 12+18, 6+30
3000	6"+18", 12+18, 12+30
5000	6"+18", 9"+18, 12+18, 6+30, 12+30
7500	6"+18"
10,000	6"+18", 9"+18, 12+18, 6+30, 12+30
15,000	6"+18"
20,000	6"+18"

MF100 SERIES



MF100 SERIES

The diaphragm transmits pressure through the fluid filled capillary for high temperature stability. Four active arm wheatstone bridge strain gage ensures high accuracy. The rigid stem makes installation fast and easy.

FEATURES MF100/200

MERCURY FREE FILL

Standard 3.33mV/V
6pin Bayonet Connector
6" Stem
18" Flex Hose (MF200)
0.5% combined error
80% Output Calibration
Interchangeable with all Competitor's models
750°F (400°C) Rating
Ranges from
0-500 to 0-30,000psi
Standard Inconel Diaphragm

MF200 SERIES



MF200 SERIES

SAME AS MF100 PLUS:

18" flexible capillary with stainless armour coating. This provides further thermal isolation and installation flexibility.

OPTIONS MF100/200

OUTPUT OPTIONS

2.5mV/V 4-20mA
0-5VDC 0-10VDC

CONNECTOR OPTIONS

8pin 6pin-CANNON
3,4,9,12,18" STEM
24,30 or 60" Flex Hose (MF200)
OPTIONAL DIAPHRAGMS
Hastelloy
Titanium Nitride
Inconel Tip + Thread
Option "E" - Epoxy filled can
Option "W" - Tig Welded Can with Epoxy Fill

MFX SERIES



MFX SERIES

SAME AS MF200 PLUS:

Temperature sensor mounted behind diaphragm. This provides temperature and pressure measurement from a single hole. The temperature sensor is field replaceable without removing pressure sensor.

FEATURES MFX

same as MF200 Plus
Thermocouple J
Field replaceable

OPTIONS MFX

same as MF200 Plus
Temperature Sensors
Thermocouple K
Pt100 RTD sensor

SPECIFICATIONS

MECHANICAL

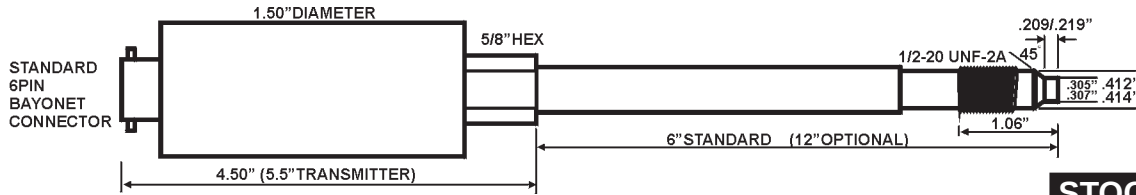
Ranges: 0-500 to 0-30,000psi
Max Error: 0.5% of Full Scale
Repeatability: +/-0.2%
Overload Capab: 2x Full Scale
Mount Torque: 150in-500 in-lbs

TEMPERATURE

Max Diaph. Temp: 750°F(400°C)
Zero Shift of Diaph.: 18psi/100°F
Zero Shift of Elect.: 1%/100°F
Max Housing Temp: 250°F(120°C)

ELECTRICAL

Measuring Sensor: 350ohm Wheatstone Bridge
Internal Shunt Cal(2.5 or 3.3mV/V): 80% of FS
Zero&Span Adjust(0-5/10V or 4-20mA): +/-0.15% FS
Excitation: 2.5 or 3.3mV/V(7-12V recommend10V)
0-10V(14-36V) 0-5V(11-36V)
4-20mA(14-36V)



ORDER CODE

MF1 X
 0 - 6"stem
 8 - 8"stem
 9 - 9"stem
 1 - 12"stem

X - P XX
 1 - 3.3mV/V
 2 - 2.5mV/V
 4 - 4-20mA
 5 - 0-5VDC
 6 - 1-5VDC
 7 - 0-10VDC

X
 1 - 3.3mV/V
 1.5 - 2.5mV/V
 3 - 4-20mA
 5 - 0-5VDC
 7.5 - 1-5VDC
 15 - 0-10VDC

X
 M - Psi x 1000
 B - Bar x 100
 P - MPa
 K - kg/cm2

X
 S - 6pin Bayonet
 G - 6pin Screw
 8 - 8pin Screw
 N - 1/2"NPT+ 36"Teflon
 4 - 4pin DIN

X
 S - Standard Inconel
 C - Chromium Nitride
 T - Titanium Nitride
 I - Inconel Tip + Threads
 H - Hastelloy
 D - Diamond Particulate

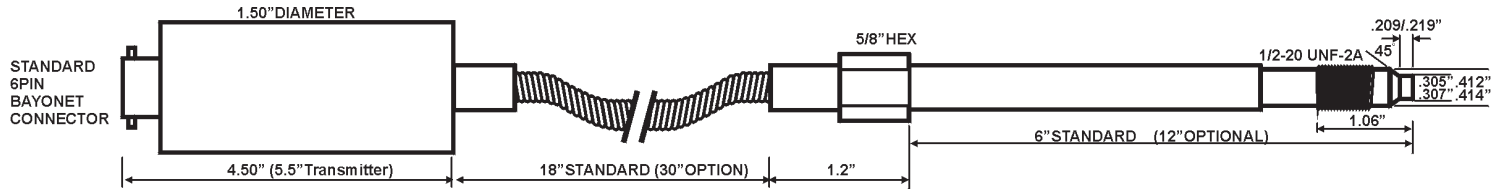
X
 - 1/2"-20UNF
 M18 - M18x1.5
 M10 - M10x1.0
 .25 - 0.25% Accuracy
 E - Epoxy Filled Can
 W - Tig Welded Can with Epoxy Fill

STOCK LIST

Inconel Tip
All Outputs & Connectors

PSI	STEM
1000	6"
1500	6"
3000	6"
5000	6", 12"
7500	6"
10,000	6", 12"
15,000	6"
20,000	6"

MF200 MERCURY FREE - RIGID STEM + FLEX



ORDER CODE

MF2 X
 0 - 6"stem+18"Flex
 1 - 12"stem+18"Flex
 3 - 6"stem+30"Flex
 4 - 12"stem+30"Flex
 8 - 8"stem+18"Flex
 9 - 9"stem+18"Flex

X - P XX
 1 - 3.3mV/V
 2 - 2.5mV/V
 4 - 4-20mA
 5 - 0-5VDC
 6 - 1-5VDC
 7 - 0-10VDC

X
 1 - 3.3mV/V
 1.5 - 2.5mV/V
 3 - 4-20mA
 5 - 0-5VDC
 7.5 - 1-5VDC
 15 - 0-10VDC

X
 M - Psi x 1000
 B - Bar x 100
 P - MPa
 K - kg/cm2

X
 S - 6pin Bayonet
 G - 6pin Screw
 8 - 8pin Screw
 N - 1/2"NPT+ 36"Teflon
 4 - 4pin DIN

X
 S - Standard Inconel
 C - Chromium Nitride
 T - Titanium Nitride
 I - Inconel Tip + Threads
 H - Hastelloy
 D - Diamond Particulate

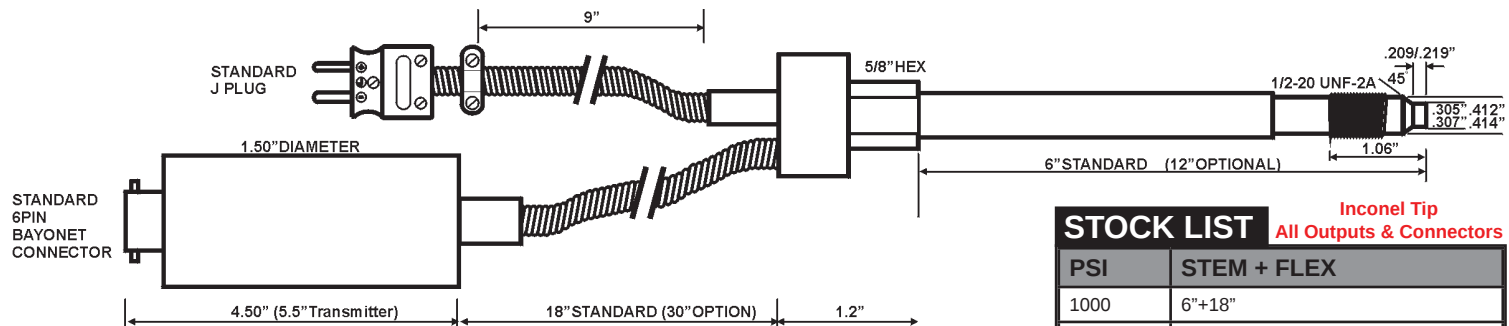
X
 - 1/2"-20UNF
 M18 - M18x1.5
 M10 - M10x1.0
 .25 - 0.25% Accuracy
 E - Epoxy Fill Can
 W - Tig Welded Can with Epoxy Fill

STOCK LIST

Inconel Tip
All Outputs & Connectors

PSI	STEM + FLEX
1000	6"+18"
1500	6"+18"
3000	6"+18"
5000	6"+18", 6+30, 12+18
7500	6"+18"
10,000	6"+18", 6+30, 12+18
15,000	6"+18"
20,000	6"+18"

MFX MERCURY FREE - PRESSURE + TEMPERATURE



ORDER CODE

MF X
 J - T/c J
 K - T/c K
 P - PT100

X
 0 - 6"stem+18"Flex
 1 - 12"stem+18"Flex
 3 - 6"stem+30"Flex
 4 - 12"stem+30"Flex
 8 - 8"stem+18"Flex
 9 - 9"stem+18"Flex

X - P XX
 1 - 3.3mV/V
 2 - 2.5mV/V
 4 - 4-20mA
 5 - 0-5VDC
 6 - 1-5VDC
 7 - 0-10VDC

X
 1 - 3.3mV/V
 1.5 - 2.5mV/V
 3 - 4-20mA
 5 - 0-5VDC
 7.5 - 1-5VDC
 15 - 0-10VDC

X
 M - Psi x 1000
 B - Bar x 100
 P - MPa
 K - kg/cm2

X
 S - 6pin Bayonet
 G - 6pin Screw
 8 - 8pin Screw
 N - 1/2"NPT+ 36"Teflon
 4 - 4pin DIN

X
 S - Standard Inconel
 C - Chromium Nitride
 T - Titanium Nitride
 I - Inconel Tip + Threads
 H - Hastelloy
 D - Diamond Particulate

X
 - 1/2"-20UNF
 M18 - M18x1.5
 M10 - M10x1.0
 .25 - 0.25% Accuracy
 E - Epoxy Fill Can
 W - Tig Welded Can with Epoxy Fill

STOCK LIST

Inconel Tip
All Outputs & Connectors

PSI	STEM + FLEX
1000	6"+18"
1500	6"+18"
3000	6"+18"
5000	6"+18", 6+30, 12+18
7500	6"+18"
10,000	6"+18", 6+30, 12+18
15,000	6"+18"
20,000	6"+18"

MK100 SERIES



MK100 SERIES

The diaphragm transmits pressure through the NaK filled capillary for high temperature stability. Four active arm wheatstone bridge strain gage ensures high accuracy.

The rigid stem makes installation fast and easy.

FEATURES MK100/200

NaK -MERCURY FREE FILL

Standard 3.33mV/V

6pin Bayonet Connector

6" Stem

18" Flex Hose (MK200)

0.5% combined error

80% Output Calibration

Interchangeable with all

Competitor's models

1000°F (538°C) Rating

Ranges from

0-500 to 0-30,000psi

Standard Inconel Diaphragm

OPTIONS MK100/200

OUTPUT OPTIONS

2.5mV/V, 4-20mA, 0-5/0-10 VDC

CONNECTOR OPTIONS

8pin 6pin-CANNON

3,4,9,12,18" STEM

24,30 or 60" Flex Hose (MK200)

OPTIONAL DIAPHRAGMS

Hastelloy

Titanium Nitride

Inconel Tip + Thread

Option "E" - Epoxy filled can

Option "W" - Tig Welded Can
with Epoxy Fill

MK200 SERIES



MK200 SERIES

SAME AS MK100 PLUS:

18" flexible capillary with stainless armour coating. This provides further thermal isolation and installation flexibility.

MKX SERIES



MKX SERIES

SAME AS MK200 PLUS:

Temperature sensor mounted behind diaphragm. This provides temperature and pressure measurement from a single hole. The temperature sensor is field replaceable without removing pressure sensor.

FEATURES MKX

same as MK200 Plus

Thermocouple J

Field replaceable

OPTIONS MKX

same as MK200 Plus

Temperature Sensors

Thermocouple K

Pt100 RTD sensor

SPECIFICATIONS

MECHANICAL

Ranges: 0-500 to 0-30,000psi

Max Error: 1% of Full Scale

Repeatability: +/-0.2%

Overload Capab: 2x Full Scale

Mount Torque: 150in-500 in-lbs

TEMPERATURE

Max Diaph. Temp: 1000°F(538°C)

Zero Shift of Diaph.: 15psi/100°F

Zero Shift of Elect.: 1%/100°F

Max Housing Temp: 250°F(120°C)

ELECTRICAL

Measuring Sensor: 350ohm Wheatstone Bridge

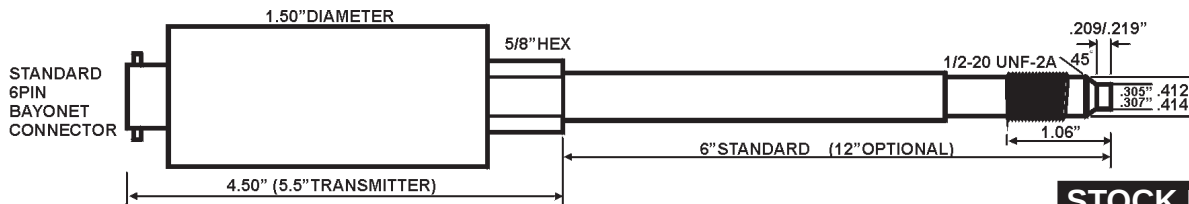
Internal Shunt Cal(2.5 or 3.3mV/V): 80% of FS

Zero&Span Adjust(0-5/10V or 4-20mA): +/-0.15% FS

Excitation: 2.5 or 3.3mV/V(7-12V recommend10V)

0-10V(14-36V) 0-5V(11-36V)

4-20mA(14-36V)



ORDER CODE

MK1 X **X** - P XX **X** **X** **X** **X**

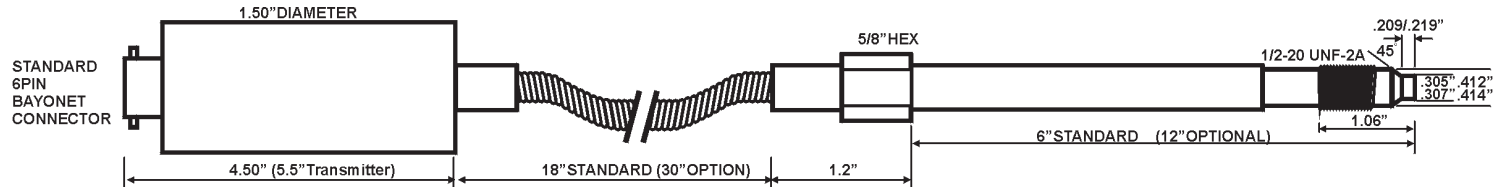
0 - 6"stem 1 - 3.3mV/V 5 M - Psi x 1000 S - 6pin Bayonet S - Standard Inconel - - 1/2"-20UNF
 8 - 8"stem 2 - 2.5mV/V 10 B - Bar x 100 G - 6pin Screw C - Chromium Nitride M18 - M18x1.5
 9 - 9"stem 4 - 4-20mA P - MPa 8 - 8pin Screw T - Titanium Nitride M10 - M10x1.0
 1 - 12"stem 5 - 0-5VDC K - kg/cm2 N - 1/2"NPT+ I - Inconel Tip + Threads .25 - 0.25% Accuracy
 6 - 1-5VDC H - Hastelloy E - Epoxy Filled Can
 7 - 0-10VDC D - Diamond Particulate W - Tig Welded Can

STOCK LIST

Inconel Tip
All Outputs & Connectors

PSI	STEM + Outputs
1500	6"stem 3.3mv/v, 4-20mA, 0-10vdc
3000	6"stem 3.3mv/v, 4-20mA, 0-10vdc
5000	6"stem 3.3mv/v, 4-20mA, 0-10vdc
7500	6"stem 3.3mv/v, 4-20mA, 0-10vdc
10000	6"stem 3.3mv/v, 4-20mA, 0-10vdc

MK200 - NaK - RIGID STEM + FLEX



ORDER CODE

MK2 X **X** - P XX **X** **X** **X** **X**

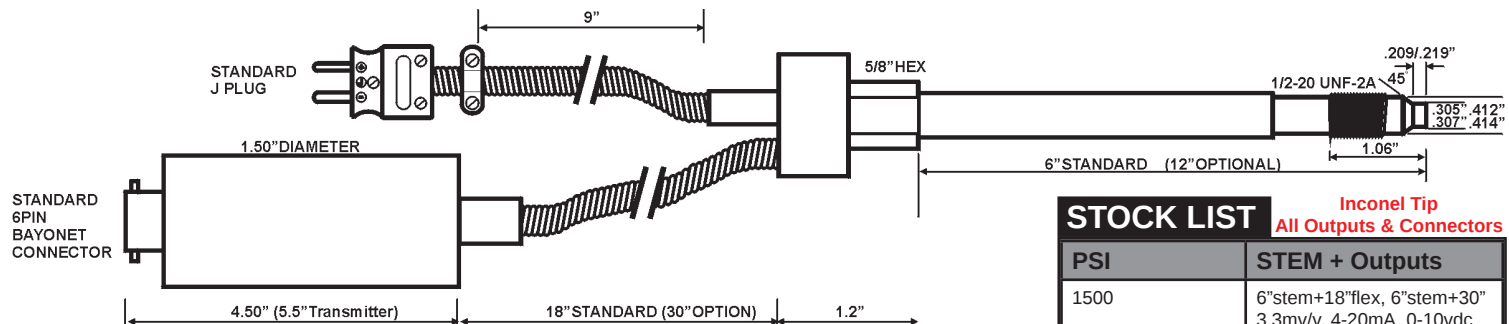
0 - 6"stem+18"Flex 1 - 3.3mV/V 5 M - Psi x 1000 S - 6pin Bayonet S - Standard Inconel - - 1/2"-20UNF
 1 - 12"stem+18"Flex 2 - 2.5mV/V 10 B - Bar x 100 G - 6pin Screw C - Chromium Nitride M18 - M18x1.5
 3 - 6"stem+30"Flex 4 - 4-20mA P - MPa 8 - 8pin Screw T - Titanium Nitride M10 - M10x1.0
 4 - 12"stem+30"Flex 5 - 0-5VDC K - kg/cm2 N - 1/2"NPT+ I - Inconel Tip + Threads .25 - 0.25% Accuracy
 8 - 8"stem+18"Flex 6 - 1-5VDC H - Hastelloy E - Epoxy Fill Can
 9 - 9"stem+18"Flex 7 - 0-10VDC D - Diamond Particulate W - Tig Welded Can with Epoxy Fill

STOCK LIST

Inconel Tip
All Outputs & Connectors

PSI	STEM + Outputs
1500	6"stem+18"flex, 6"stem+30" 3.3mv/v, 4-20mA, 0-10vdc
3000	6"stem+18"flex, 6"stem+30" 3.3mv/v, 4-20mA, 0-10vdc
5000	6"stem+18"flex, 6"stem+30" 3.3mv/v, 4-20mA, 0-10vdc
7500	6"stem+18"flex, 3.3mv/v, 4-20mA, 0-10vdc
10000	6"stem+18"flex, 6"stem+30" 3.3mv/v, 4-20mA, 0-10vdc

MKX - NaK - PRESSURE + TEMPERATURE



ORDER CODE

MK X **X** **X** - P XX **X** **X** **X** **X**

J - T/c J 0 - 6"stem+18"Flex 1 - 3.3mV/V 5 M - Psi x 1000 S - 6pin Bayonet S - Standard Inconel - - 1/2"-20UNF
 K - T/c K 1 - 12"stem+18"Flex 2 - 2.5mV/V 10 B - Bar x 100 G - 6pin Screw C - Chromium Nitride M18 - M18x1.5
 P - PT100 3 - 6"stem+30"Flex 4 - 4-20mA P - MPa 8 - 8pin Screw T - Titanium Nitride M10 - M10x1.0
 4 - 12"stem+30"Flex 5 - 0-5VDC K - kg/cm2 N - 1/2"NPT+ I - Inconel Tip + Threads .25 - 0.25% Accuracy
 8 - 8"stem+18"Flex 6 - 1-5VDC H - Hastelloy E - Epoxy Fill Can
 9 - 9"stem+18"Flex 7 - 0-10VDC D - Diamond Particulate W - Tig Welded Can with Epoxy Fill

STOCK LIST

Inconel Tip
All Outputs & Connectors

PSI	STEM + Outputs
1500	6"stem+18"flex, 6"stem+30" 3.3mv/v, 4-20mA, 0-10vdc
3000	6"stem+18"flex, 6"stem+30" 3.3mv/v, 4-20mA, 0-10vdc
5000	6"stem+18"flex, 6"stem+30" 3.3mv/v, 4-20mA, 0-10vdc
7500	6"stem+18"flex, 6"stem+30" 3.3mv/v, 4-20mA, 0-10vdc
10000	6"stem+18"flex, 6"stem+30" 3.3mv/v, 4-20mA, 0-10vdc

MN100 SERIES



FEATURES MN100

Fluid filled system
Standard 3.33mV/V
6pin Bayonet Connector
28" Flex Hose
0.5% combined error
80% Output Calibration
Interchangeable with all Competitor's models
750°F (400°C) Rating
Ranges from 0-500 to 0-30,000psi
INCONEL Diaphragm

OPTIONS MN100

OUTPUT OPTIONS

2.5mV/V 4-20mA

0-5VDC 0-10VDC

CONNECTOR OPTIONS

8pin 6pin-CANNON

DIAPHRAGM OPTIONS

Hastelloy

Diamond Particulate

Titanium Nitride

FILL OPTIONS

Merc Free (750°F)

NaK (1000°F)

Option "E" - Epoxy filled can

Option "W" - Tig Welded Can with Epoxy Fill



MN100 SERIES

28" flexible capillary with stainless armour coating. This provides thermal isolation and installation flexibility in space restricted areas.

MN200 SERIES



FEATURES MN200

Fluid filled system
Standard 3.33mV/V
6pin Bayonet Connector
10" 0.06" Dia Capillary
18" Flex Hose
0.5% combined error
80% Output Calibration
Interchangeable with all Competitor's models
750°F (400°C) Rating
Ranges from 0-500 to 0-30,000psi
INCONEL Diaphragm

OPTIONS MN200

OUTPUT OPTIONS

2.5mV/V 4-20mA

0-5VDC 0-10VDC

CONNECTOR OPTIONS

8pin 6pin-CANNON

DIAPHRAGM OPTIONS

Hastelloy

Diamond Particulate

Titanium Nitride

FILL OPTIONS

Merc Free (750°F)

NaK (1000°F)

Option "E" - Epoxy filled can

Option "W" - Tig Welded Can with Epoxy Fill



MN200 SERIES

10" Bare Capillary + 18" flexible capillary with stainless armour coating. This provides thermal isolation and installation flexibility in space restricted areas.

SPECIFICATIONS

MECHANICAL

Ranges(mV/V): 0-500 to 0-30,000psi

Ranges(mA or V): 0-500 to 0-30,000psi

Max Error: 0.5% of Full Scale

Repeatability: +/-0.2%

Overload Capab: 2x Full Scale

Mount Torque: 150in-500 in-lbs

TEMPERATURE

Max Diaph. Temp: 750°F(400°C)

Zero Shift of Diaph.: 15psi/100°F

Zero Shift of Elect.: 1%/100°F

Max Housing Temp: 250°F(120°C)

ELECTRICAL

Measuring Sensor: 350ohm Wheatstone Bridge

Internal Shunt Cal(2.5 or 3.3mV/V): 80% of FS

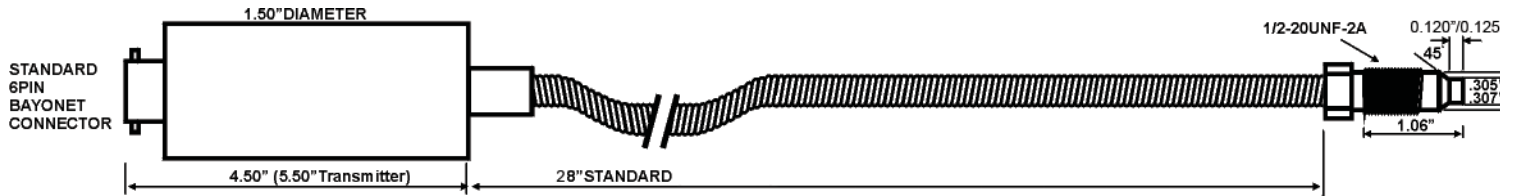
Zero&Span Adjust(0-5/10V or 4-20mA): +/-0.15% FS

Excitation: 2.5 or 3.3mV/V(7-12V recommend10V)

0-10V(14-36V) 0-5V(11-36V)

4-20mA(14-36V)

MN100 - TRANSDUCERS / TRANSMITTERS - NARROW SPACE



ORDER CODE

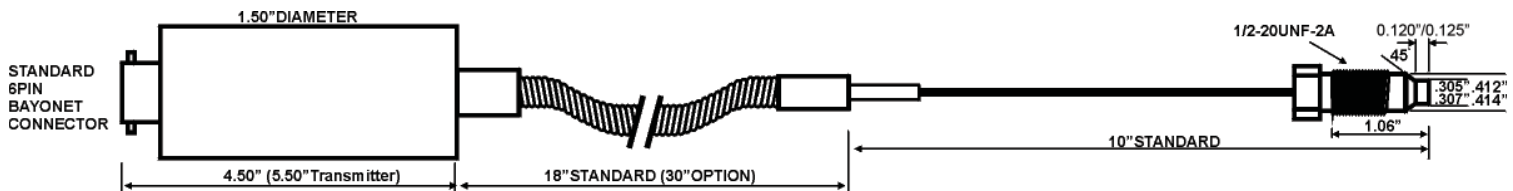
MN1 X	X - P XX	X	X	X	X
0 - 28"flex 1 - 60"flex	1 - 3.3mV/V 2 - 2.5mV/V 4 - 4-20mA 5 - 0-5VDC 6 - 1-5VDC 7 - 0-10VDC	1 1.5 3 5 7.5 10	M - Psi x 1000 B - Bar x 100 P - MPa K - kg/cm2	S - 6pin Bayonet G - 6pin Screw 8 - 8pin Screw N - 1/2"NPT+ 36"Teflon	S - Standard Inconel C - Chromium Nitride T - Titanium Nitride I - Inconel Tip + Threads H - Hastelloy D - Diamond Particulate
		15 20			- - 1/2"-20UNF M18 - M18x1.5 M10 - M10x1.0 .25 - 0.25% Accuracy F - Mercury Free Fill K - NaK Fill E - Epoxy Fill Can W - Tig Welded Can with Epoxy Fill

STOCK LIST

Inconel Tip
All Outputs & Connectors

PSI	FLEX ARMOUR
5000	28"
10,00	28"
20,000	28"
30,000	28"

MN200 - TRANSDUCERS / TRANSMITTERS - NARROW SPACE



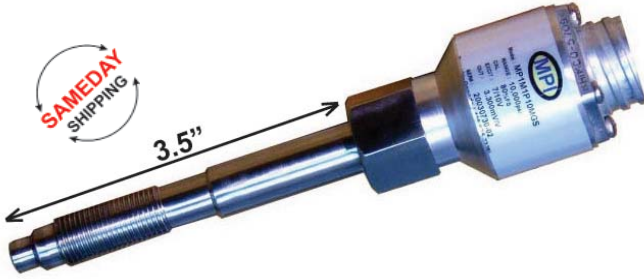
ORDER CODE

MN2 X	X - P XX	X	X	X	X
0 - 10"cap+18"Flex 3 - 10"cap+30"Flex	1 - 3.3mV/V 2 - 2.5mV/V 4 - 4-20mA 5 - 0-5VDC 6 - 1-5VDC 7 - 0-10VDC	1 1.5 3 5 7.5 10	M - Psi x 1000 B - Bar x 100 P - MPa K - kg/cm2	S - 6pin Bayonet G - 6pin Screw 8 - 8pin Screw N - 1/2"NPT+ 36"Teflon	S - Standard Inconel C - Chromium Nitride T - Titanium Nitride I - Inconel Tip + Threads H - Hastelloy D - Diamond Particulate
		15 20			- - 1/2"-20UNF M18 - M18x1.5 M10 - M10x1.0 .25 - 0.25% Accuracy F - Mercury Free Fill K - NaK Fill E - Epoxy Filled Can W - Tig Welded Can with Epoxy Fill

STOCK LIST

Inconel Tip
All Outputs & Connectors

PSI	CAPILLARY + HOSE
5,000	10"+18"
10,000	10"+18"
20,000	10"+18"
30,000	10"+18"



STOCK LIST	
PSI	STEM
5,000	3.5"
10,000	3.5"

STANDARD FEATURES

350ohm STRAIN GAUGE - 3.3mV/V
80%OUTPUT CAL
INTERCHANGEABLE WITH
COMPETITORS MODELS
0-1000psi + 0-30,000psi RANGES
0.5%ACCURACY
6pin BAYONET CONNECTOR
750°F(400°C) MERCURY FILL

INCONEL TIP

OPTIONS

CONNECTOR - 6pin or 8pin Screw
750°F(400°C) MERCURY FREE FILL



ORDER CODE

MP1M **X** **- P XX** **X** **X** **X** **X**

1 - 3.3mV/V 1 M - Psi x 1000 S - 6pin Bayonet S - Standard Inconel - - Standard
2 - 2.5mV/V 1.5 B - Bar x 100 G - 6pin Screw C - Chromium Nitride F - Mercury Free
3 P - MPa 8 - 8pin Screw T - Titanium Nitride
5 I - Inconel Tip + Threads
7.5 15 H - Hastelloy
10 20 D - Diamond Particulate

SPECIFICATIONS - MP1M

MECHANICAL

Ranges: 0-1000 to 0-30,000psi
Max Error: 0.5% of Full Scale
Repeatability: +/-0.2%
Overload Capab: 2x Full Scale
Mount Torque: 150in-500 in-lbs

TEMPERATURE

Max Diaph. Temp: 750°F(400°C)
Zero Shift of Diaph.: 15psi/100°F
Zero Shift of Elect.: 1%/100°F
Max Housing Temp: 250°F(120°C)

ELECTRICAL

Measuring Sensor: 350ohm Wheatstone Bridge
Element Resistance: +/-1% of Full Scale
Internal Shunt Cal: +/-0.2%
Zero Balance: +/-0.5% of Full Scale
Excitation: 7-12VDC (recommend 10VDC)

PRESSURE INDICATORS

MT-IND - 4-20mA LOOP



MT-IND



Mounted on Transmitters

STANDARD

0.28" LARGE 4DIGIT DISPLAY
INPUT 4-20mA
PROGRAMMABLE SCALING
POWER - 4-20mA LOOP POWER
REVERSE POLARITY PROTECTION-
4PIN CONNECTOR
IP65 (after mounting on transmitter)

SPECIFICATIONS - MT-IND

DISPLAY

TYPE : 4 DIGIT LED (0.28"H)
RANGE : -1.9.9.9. to 9.9.9.9
ACCURACY : 0.1%+/-1 Digit
DIGITAL
DAMPING : 0 - 20s

ELECTRICAL

SUPPLY : 4-20mA LOOP
VOLT DROP : <2.5V
PROTECTION : SHORT CIRCUIT
REVERSE
POLARITY : MAX 200mA

ENVIRONMENT

OPERATING TEMP : -20 to 70C
STORAGE TEMP : -30 to 85C
PROTECTION : IP65 (connected)
WEIGHT : 80g
HOUSING : BLACK



STANDARD FEATURES

INPUT - 350ohm STRAIN GAUGE
0.8" HIGH 5-DIGIT DISPLAY
LED BAR GRAPHS - Process+Set Value
0-5000psi + 0-10,000psi RANGES
ALARM - High or Low (NO/NC 240V,5A)
POWER - 90-260VAC
1% ACCURACY, MANUAL ZERO
PROCESS VALUE RETRANS - 4-20mA
60" FLEX HOSE, 6pin BAYONET CONNECT.

ORDER CODE

MG-IND - P - Scale - PV Retrains - Cable Length - Connector - Power

5M - 5,000psi	M - 4-20mA	6 - 6ft (2m)	6B - 6pin Bayonet	- - 85-265VAC
10M - 10,000psi	0 - 0-10mA	12 - 12ft (3.7m)	6S - 6pin Screw	24V - 24V-AC/DC
Custom	1 - 0-20mA	25 - 25ft (7.7m)	8S - 8pin Screw	
	5 - 0-5VDC			
	6 - 0-6VDC			
	10 - 0-10VDC			

OPTIONS

RETRANSMISSION OPTIONS :
0-5, 0-10VDC or 0-20mA
POWER - 24V-AC/DC
CONNECTOR - 6pin Screw
8pin Screw

SPECIFICATIONS - MG-IND

INPUT - PRESSURE TRANSDUCER

350ohm STRAIN GAUGE - 3.33mV/V
EXCITATION VOLTAGE - 10VDC
ACCURACY - 1%

RETRANS of PROCESS VALUE

CURRENT - 4-20mA, 0-10mA, 0-20mA
VOLTAGE - 0-5, 1-5, 0-10VDC

ALARM OUTPUT

Alarms 3A/240VAC resistive.

POWER

Standard 85-265VAC 50/60Hz 10VA
Option 24V AC/DC

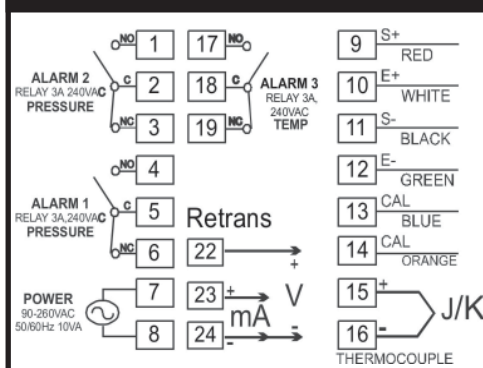
ENVIRONMENTAL

Temp&Humid. 10-55degC, 0-95%RH
Insulation 20M ohms min@500VDC
Weight 250-375g

MPT9610 - PRESSURE & TEMP INDICATOR ALARM - 1/4DIN



TERMINAL CONFIGURATION



STANDARD

PRESSURE TRANSDUCER INPUT
SCALEABLE RANGE
3 CONFIGURABLE ALARMS
HIGH/LOW/OFF TEMP or PRESS
AUTO or MANUAL CALIBRATION
MANUAL ZERO
PROCESS VALUE - RETRANS
THERMOCOUPLE J INPUT
LOCKOUT
OPTION - 24VDC

ORDER CODE

MPT9610-PTRRR - RETRANS of PV - Power

M 4-20mA	- - 85-265VAC
0 0-10mA	24V - 24VDC
1 0-20mA	
5 0-5V	
6 1-5V	
10 0-10V	

SPECIFICATIONS - MPT9610

INPUTS

PRESSURE TRANSDUCER 350ohm STRAIN GAUGE,
2.00 - 4.00mV/V, standard 3.3mV/V
EXCIT 10VDC
TEMPERATURE THERMOCOUPLE J
ACCURACY +/-0.5%
SAMPLE RATE 100ms

ALARM OUTPUTS

ALARM 1, 2, 3 5A/240VAC resistive

POWER

RATING 85 - 265 VAC 50/60Hz 10VA max

RETRANSMISSION of PRESSURE VALUE

CURRENT 4-20mA, 0-20mA, 0-10mA Max load 500 ohm
VOLTAGE 0-10VDC, 0-5VDC, 1-5VDC Max 20mA

ENVIRONMENTAL

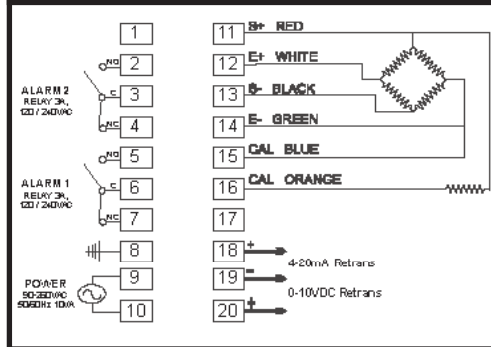
OPERAT TEMP -10 - 50C
HUMIDITY 90% MAX
INSULATION 20M ohms minimum @ 500VDC

PHYSICAL DIMENSIONS

MPT9610 96mmW x 96mmH x 100mmD
MPT9610 Cutout 91mmW x 91mmH +/-0.5mm
WEIGHT 300g



TERMINAL CONFIGURATION



MODEL CODE MP9410-PRR -

STANDARD

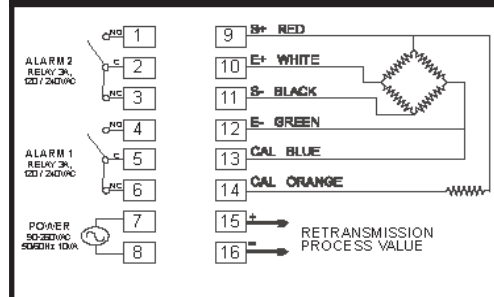
350ohm STRAIN GAGE INPUT
SCALEABLE RANGE
2 CONFIGURABLE ALARMS
HIGH/LOW/OFF
AUTO / MANUAL CALIBRATION
MANUAL ZERO
LOCKOUT
PROCESS VALUE - RETRANS
OPTION - 24VDC

RETRANS of PV	- Power
M 4-20mA	- 85-265VAC
0 0-10mA	24V - 24VDC
1 0-20mA	
5 0-5V	
6 1-5V	
10 0-10V	

MP9610 - PRESSURE INDICATOR ALARM - 1/4DIN



TERMINAL CONFIGURATION



MODEL CODE MP9610-PRR -

STANDARD

350ohm STRAIN GAGE INPUT
SCALEABLE RANGE
2 CONFIGURABLE ALARMS
HIGH/LOW/OFF
AUTO/MANUAL CALIBRATION
MANUAL ZERO
LOCKOUT
PROCESS VALUE - RETRANS
OPTION - 24VDC

RETRANS of PV	- Power
M 4-20mA	- 85-265VAC
0 0-10mA	24V - 24VDC
1 0-20mA	
5 0-5V	
6 1-5V	
10 0-10V	

SPECIFICATIONS - MP9410 & MP9610

INPUT - PRESSURE TRANSDUCER

350ohm STRAIN GAUGE 2.00-4.00mV/V standard 3.30mV/V
EXCITATION VOLTAGE 10VDC
ACCURACY +/-0.5%
SAMPLE RATE 100ms

ALARM OUTPUTS

ALARM 1 5A/240VAC resistive NO/NC
ALARM 2 5A/240VAC resistive NO/NC

RETRANSMISSION of PROCESS VALUE

CURRENT 4-20mA, 0-20mA, 0-10mA Max load 500 ohm
VOLTAGE 0-5VDC, 1-5VDC Max 20mA

POWER

RATING 85 - 265 VAC 50/60Hz 10VA max

ENVIRONMENTAL

OPERATING TEMP -10 - 50C
HUMIDITY 90% MAX
INSULATION 20M ohms minimum @ 500VDC
WEIGHT 300g

PHYSICAL DIMENSIONS

MP9410 96mmW x 48mmH x 100mmD
MP9410 Cutout 91mmW x 45mmH +/-0.5mm
MP9610 96mmW x 96mmH x 100mmD
MP9610 Cutout 91mmW x 91mmH +/-0.5mm

MG100 & MG200 SERIES



MG100 - Rigid Stem



MG200 - Rigid Stem + Flex



MG1	X	P XX	X	X	X	X
00 - 6"Stem	5	M - Psi x 1000	S - 90 - 260VAC	DIAPHRAGM	RETRANS	
10 - 12"Stem	10	B - BAR x 100	D - 24V - AC/DC	S - STANDARD INCONEL	M - 4-20mA	
	20			H - HASTELLOY	1 - 0-20mA	
				3 - TRIPLE WEAR TIP	5 - 0-5VDC	
					10- 0-10VDC	

STOCK LIST - MG100		
PART#	PRESS (psi)	STEM
MG100-P5MSSM	5,000	6"
MG100-P10MSSM	10,000	6"

MG2	X	X	P XX	X	X	X
0 - 6"Stem	0 - 30"Flex	5	M - Psi x 1000	S - 90 - 260VAC	DIAPHRAGM	RETRANS
1 - 12"Stem	1 - 60"Flex	10	B - BAR x 100	D - 24V - AC/DC	S - STANDARD INCONEL	M - 4-20mA
		20			H - HASTELLOY	1 - 0-20mA
					3 - TRIPLE WEAR TIP	5 - 0-5VDC
						10- 0-10VDC

STOCK LIST - MG200			
PART#	PRESS (psi)	STEM	FLEX
MG200-P5MSSM	5,000	6"	30"
MG200-P10MSSM	10,000	6"	30"

FEATURES MG100/200

COMPLETE MELT PRESSURE + Alarm SYSTEM
 Large 5-DIGIT DIGITAL Display (0.8"High)
 ALARM RELAY (NO/NC 240VAC, 5A)
 LED BAR GRAPHS - Process & Set Value
 REPAIRABLE sensor
 90-260VAC Power
 6"Stem
 30"Flex Hose (MG200)
 1% combined error
 750°F (400°C) Rating
 Ranges from 0-500 to 0-20,000psi
 STANDARD DIAPHRAGM - INCONEL
 PROCESS VALUE RETRANSMISSION (4-20mA)
 STANDARD THREAD (1/2-20UNF)

OPTIONS MG100/200

RETRANSMISSION OPTIONS :
 0-5, 0-10VDC 0-20mA
 12"STEM
 60"Flex Hose (MG200)
 OPTIONAL DIAPHRAGMS
 Hastelloy, Titanium Nitride
 Incoloy Tip & Threads
 THREADS (M18x1.5)
 POWER 24V-AC/DC
MERCURY FREE



Optional

MGX SERIES



MGX - Rigid Stem + Flex
c/w Thermocouple J



MGX	X	X	P XX	X	X	X
J - T/C	0 - 6"Stem	0 - 30"Flex	5	M - Psi x 1000	S - 90 - 260VAC	DIAPHRAGM
K - T/C	1 - 12"Stem	1 - 60"Flex	10	B - BAR x 100	D - 24V - AC/DC	S - STANDARD INCONEL
P - Pt100			20			H - HASTELLOY
						3 - TRIPLE WEAR TIP
						5 - 0-5VDC
						10- 0-10VDC

STOCK LIST - MGX00			
PART#	PRESS (psi)	STEM	FLEX
MGJ00-P5MSSM	5,000	6"	30"
MGJ00-P10MSSM	10,000	6"	30"

FEATURES MGX

same as MG200 Plus
 Thermocouple J (Field replaceable)

OPTIONS MGX

same as MG200 Plus
 Temperature Sensors K, Pt100 RTD

SPECIFICATIONS

PERFORMANCE

RANGES - 1500 to 30,000psi
 MAX ERROR - +/-3%
 ZERO ADJUST - 20% Full Scale

TEMPERATURE

MAX TIP TEMP - 750°F (400°C)
 ZERO SHIFT - 35psi / 100°F
 MAX HOUSING TEMP - 275°F (135°C)

MECHANICAL & MATERIALS

CASE - Stainless Steel
 WINDOW - Safety Glass
 OVERLOAD - 1.5x Full Scale
 MOUNTING TORQUE - 150(min) - 500(max) inch-lbs
 DIAPHRAGM - Standard - Inconel
 Option - Hastelloy

MECHANICAL GAUGES

STANDARD FEATURES

LOCAL READING - NO POWER
LARGE 4.4" ROUND DIAL - ROTATES 270°F
RANGES - 1500psi to 30,000psi
3% ACCURACY
750°F(400°C) MERCURY FILL
INCONEL TIP - 1/2"-20UNF THREAD

OPTIONS

TIP OPTIONS: Hastelloy,
Titanium Nitride
THREAD OPTIONS: M18x1.5, Custom
750°F(400°C) MERCURY FREE FILL
1000°F(538°C) NaK Fill

MPG100



MPG1XX - P XX

00 - 6" Stem	1.5 - 1,500psi	M - Psi x 1000	S - Standard Inconel	- - Mercury Fill
10 - 12" Stem	3 - 3,000psi	B - Bar x 100	C - Chromium Nitride	F - Mercury Free Fill
	5 - 5,000psi	P - MPa	T - Titanium Nitride	K - NaK Mercury Free Fill
	10 - 10,000psi		I - Inconel Tip + Threads	
	Custom		H - Hastelloy	
			D - Diamond Particulate	

STOCK LIST

PART#	STEM	FLEX	PRESSURE
MPG100-P1.5MS	6"		1500psi
MPG100-P3MS	6"		3000psi
MPG100-P5MS	6"		5000psi
MPG100-P10MS	6"		10000psi
MPG100-P15MS	6"		15000psi
MPG100-P20MS	6"		20000psi
MPG110-P1.5MS	12"		1500psi
MPG110-P3MS	12"		3000psi
MPG110-P5MS	12"		5000psi
MPG110-P10MS	12"		10000psi

MPG200



MPG2X X - P XX

0 - 6" Stem	0 - 30" Flex	1.5 - 1,500psi	M - Psi x 1000	S - Standard Inconel	- - Mercury Fill
1 - 12" Stem	1 - 60" Flex	3 - 3,000psi	B - Bar x 100	C - Chromium Nitride	F - Mercury Free Fill
		5 - 5,000psi	P - MPa	T - Titanium Nitride	K - NaK Mercury Free Fill
		10 - 10,000psi		I - Inconel Tip + Threads	
		Custom		H - Hastelloy	
				D - Diamond Particulate	

STOCK LIST

PART#	STEM	FLEX	PRESSURE
MPG200-P5MS	6"	30"	5000psi
MPG200-P10MS	6"	30"	10000psi
MPG200-P15MS	6"	30"	15000psi
MPG200-P20MS	6"	30"	20000psi
MPG200-P30MS	6"	30"	30000psi
MPG260-P10MS	6"	60"	10000psi
MPG210-P10MS	12"	30"	10000psi

MPGJ00



MPG X

J - Thermocouple J	0 - 6" Stem	0 - 30" Flex	1.5 - 1,500psi	M - Psi x 1000	S - Standard Inconel	- - Mercury Fill
K - Thermocouple K	1 - 12" Stem	1 - 60" Flex	3 - 3,000psi	B - Bar x 100	C - Chromium Nitride	F - Mercury Free Fill
RTD - PT100 Sensor			5 - 5,000psi	P - MPa	T - Titanium Nitride	K - NaK Mercury Free Fill
			10 - 10,000psi		I - Inconel Tip + Threads	
			Custom		H - Hastelloy	
					D - Diamond Particulate	

STOCK LIST

PART#	STEM	FLEX	PRESSURE
MPGJ00-P5MS	6"	30"	5,000psi
MPGJ00-P10MS	6"	30"	10,000psi
MPG100-P5MS	12"	30"	10,000psi

SPECIFICATIONS

PERFORMANCE

RANGES - 1500 to 30,000psi
MAX ERROR - +/-3%
ZERO ADJUST - 20% Full Scale

TEMPERATURE

MAX TIP TEMP - 750°F (400°C)
ZERO SHIFT - 35psi / 100°F
MAX HOUSING TEMP - 275°F (135°C)

MECHANICAL & MATERIALS

CASE - Stainless Steel
WINDOW - Safety Glass
OVERLOAD - 1.5x Full Scale
MOUNTING TORQUE - 150(min) - 500(max) inch-lbs
DIAPHRAGM - Standard - Inconel
Option - Hastelloy

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

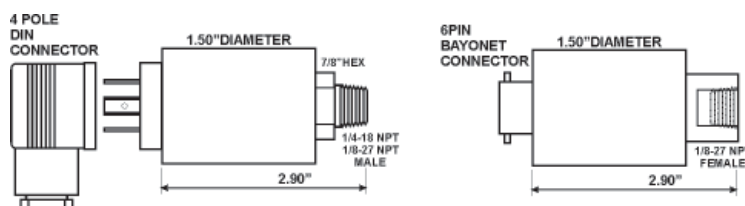
STOCK LIST - MHP (3mV/V)		
PRESS (psi)	1/8-27NPT (female)	1/4-18NPT (male)
500	✓	✓
1,000	✓	✓
2,500	✓	✓
3,000	✓	✓
5,000	✓	✓
10,000	✓	✓

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, 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

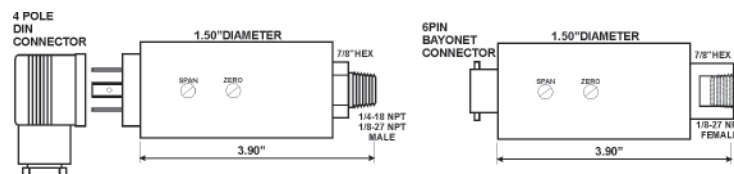
STOCK LIST - MHT			
OUTPUT	PRESS (psi)	1/8-27NPT (female)	1/4-18NPT (male)
4-20mA	500	✓	✓
	1,000	✓	✓
and	2,500	✓	✓
	3,000	✓	✓
0-10VDC	5,000	✓	✓
	10,000	✓	✓

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

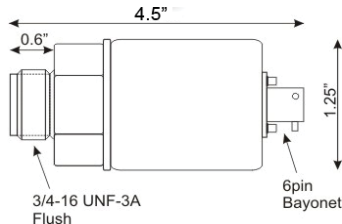
Ranges: 0-15 to 0-20,000psi
Max Error: 0.5% of FS
Repeatability: +/-0.2%
Overload Capab: 2x FS
Enclosure Rating: IP65

TEMPERATURE

Max Diaph. Temp: 250°F(120°C)
Zero Shift of Diaph.: 0.15% of FS
Max Housing Temp: 250°F(120°C)

ELECTRICAL

Measuring Sensor: 350ohm Wheatstone Bridge
Internal Shunt Cal(MHP): 80% of FS
Zero & Span Adjust(MHT): +/-0.15% of FS
Response Time: 15ms
Excitation(MHP): 2.5 or 3mV/V (exc. 7-12V rec.10)
Excitation(MHT): 0-10V(14-36V) 0-5V(11-36V)
4-20mA(14-36V)



FEATURES

Flush Mount Pressure Port
Standard 3/4-16UNF-3A
Zero Volume - Ideal for Viscous Materials
Output - 3 mV/V
Accuracy +/-0.5%
Internal Shunt Cal - 80%
250°F (120°C) Rating
Ranges from 0-15 to 0-10,000psi

OPTIONS

OUTPUT OPTIONS
4-20mA
0-5VDC 0-10VDC
Connector - 4 Pole DIN
Custom Pressure Port

ORDER CODE

MHP32	X	- X	XX	X	X	X
1 - 3.3mV/V	1	P - 0psi Low Pressure	1	S - Psi	S - 3/4-16UNF-3A	S - 6pin Bayonet
2 - 2.5mV/V	1.5	V - (-14.7psi) Vacuum	1.5	C - Psi x 100		4 - 4pin DIN
4 - 4-20mA	3	Low Pressure	3	M - Psi x 1000		
5 - 0-5VDC	5		5	B - Bar x 100		
6 - 1-5VDC	7.5 15		7.5 15	P - MPa		
7 - 0-10VDC	10 20		10 20			

SPECIFICATIONS

MECHANICAL

Ranges: 0-15 to 0-20,000psi
Max Error: 0.5% of FS
Repeatability: +/-0.2%
Overload Capab: 2x FS
Enclosure Rating: IP65
Wetted Materials: 17-4PH S/S

TEMPERATURE

Max Diaph. Temp: 250°F(120°C)
Zero Shift of Diaph.: 0.15% of FS
Max Housing Temp: 250°F(120°C)

ELECTRICAL

Measuring Sensor: 350ohm Wheatstone Bridge
Internal Shunt Cal(MHP): 80% of FS
Zero & Span Adjust(MHT): +/-0.15% of FS
Response Time: 15mS
Excitation(MHP): 2.5 or 3mV/V (exc. 7-12V rec.10)
Excitation(MHT): 0-10V(14-36V) 0-5V(11-36V)
4-20mA(14-36V)

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

STOCK LIST 4-20mA

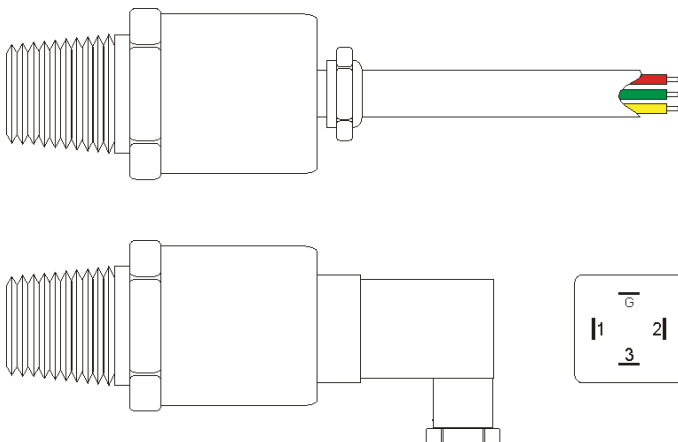
PART#	PRESSURE	OUTPUT	CONNECTOR	PORT
MHT314V30SS4	(-14.7)-30psi	4-20mA	4pin DIN	1/4"MNPT
MHT314P30SS4	0-30psi	4-20mA	4pin DIN	1/4"MNPT
MHT314P60SS4	0-60psi	4-20mA	4pin DIN	1/4"MNPT
MHT314P100SS4	0-100psi	4-20mA	4pin DIN	1/4"MNPT
MHT314P150SS4	0-150psi	4-20mA	4pin DIN	1/4"MNPT
MHT314P250SS4	0-250psi	4-20mA	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)



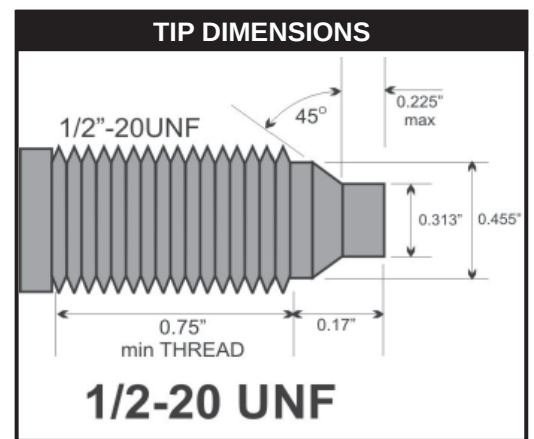
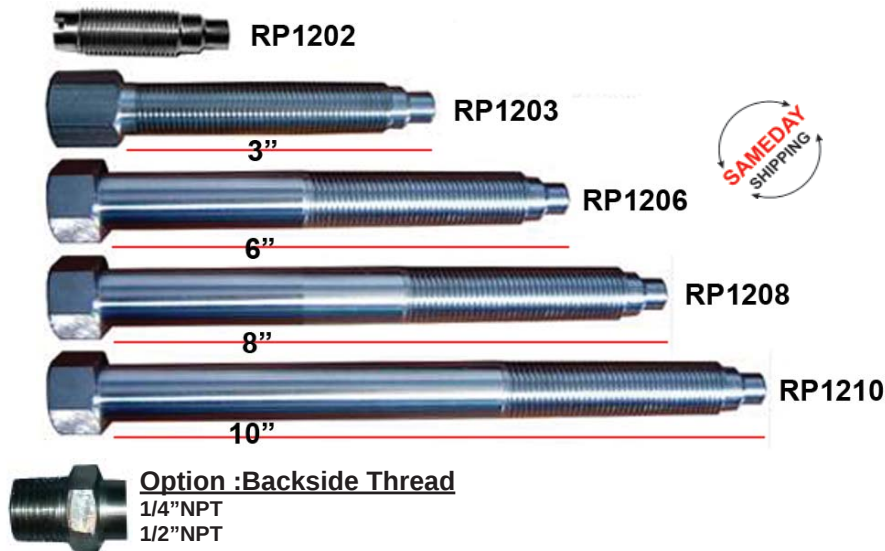
STANDARD FEATURES-

Max Temp - 750°F
Inconel Diaphragm
Standard Threads:
1/2"-20UNF
5/8"-11NC
3/4"-16NC
+/-5% Accuracy
Ranges from:
0-1500 to 14,500psi

OPTIONS

Max Temp - 1000°F
Hastelloy Diaphragm
Threads:
1"-20UNF
M18x1.5
Others
Custom Tip Dimensions

1/2"-20UNF EXTRUDER RUPTURE DISKS



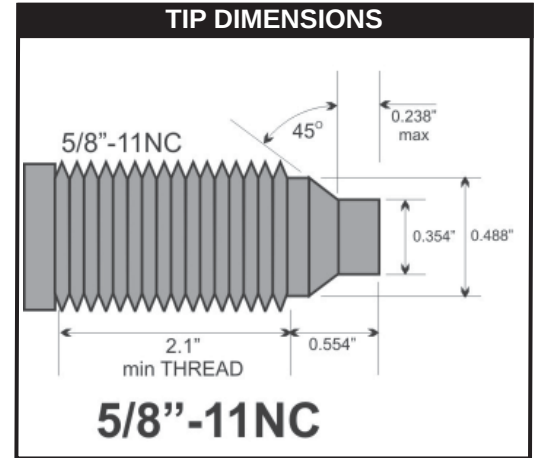
STOCK LIST - 1/2"-20UNF

PRESSURE	1.82"L	3"+Hex	6"+Hex	8"+Hex	10"+Hex	12"+Hex
1500psi	RP1202-1500	RP1203-1500	RP1206-1500	RP1208-1500	RP1210-1500	RP1212-1500
2500psi	RP1202-2500	RP1203-2500	RP1206-2500	RP1208-2500	RP1210-2500	RP1212-2500
3500psi	RP1202-3500		RP1206-3500	RP1208-3500	RP1210-3500	RP1212-3500
4500psi	RP1202-4500		RP1206-4500	RP1208-4500	RP1210-4500	RP1212-4500
5000psi	RP1202-5000	RP1203-5000	RP1206-5000	RP1208-5000	RP1210-5000	RP1212-5000
5500psi	RP1202-5500	RP1203-5500	RP1206-5500	RP1208-5500	RP1210-5500	RP1212-5500
6500psi	RP1202-6500	RP1203-6500	RP1206-6500	RP1208-6500	RP1210-6500	RP1212-6500
7500psi	RP1202-7500	RP1203-7500	RP1206-7500	RP1208-7500	RP1210-7500	RP1212-7500
8500psi	RP1202-8500	RP1203-8500	RP1206-8500	RP1208-8500	RP1210-8500	RP1212-8500
9000psi	RP1202-9000	RP1203-9000	RP1206-9000	RP1208-9000	RP1210-9000	RP1212-9000
9500psi	RP1202-9500	RP1203-9500	RP1206-9500	RP1208-9500	RP1210-9500	RP1212-9500
10000psi	RP1202-10000	RP1203-10000	RP1206-10000	RP1208-10000	RP1210-10000	RP1212-10000
10500psi	RP1202-10500	RP1203-10500	RP1206-10500	RP1208-10500	RP1210-10500	RP1212-10500
11000psi		RP1203-11000	RP1206-11000	RP1208-11000	RP1210-11000	RP1212-11000
12000psi	RP1202-12000	RP1203-12000	RP1206-12000	RP1208-12000	RP1210-12000	RP1212-12000
14500psi	RP1202-14500	RP1203-14500	RP1206-14500	RP1208-14500	RP1210-14500	RP1212-14500

5/8"-11NC EXTRUDER RUPTURE DISKS



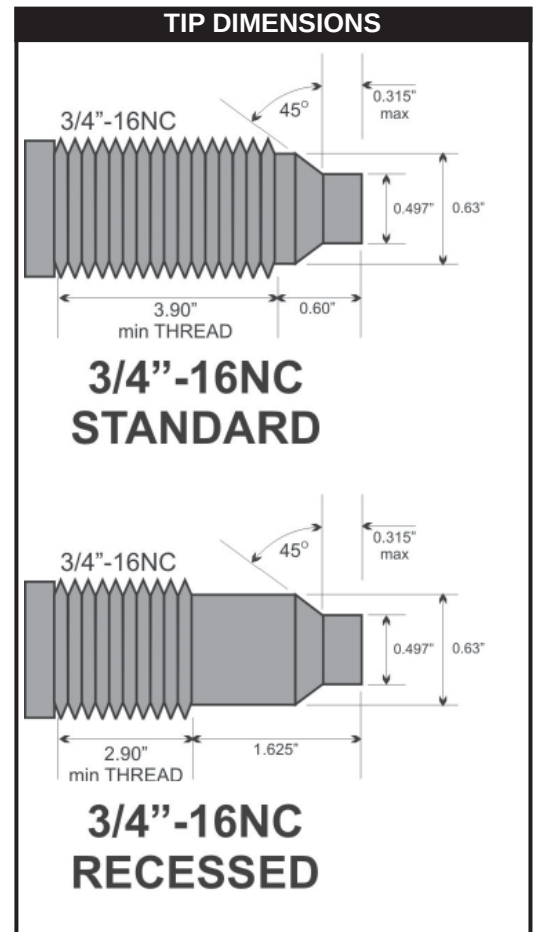
RP587 - 7"L



STOCK LIST - 5/8"-16NC

PRESSURE	4"L	7"L	9"L
5000psi	RP5804-5000	RP5807-5000	RP5809-5000
7500psi	RP5804-7500	RP5807-7500	RP5809-7500
10000psi	RP5804-10000	RP5807-10000	RP5809-10000

3/4"-16NC EXTRUDER RUPTURE DISKS



STOCK LIST - 3/4"-16NC

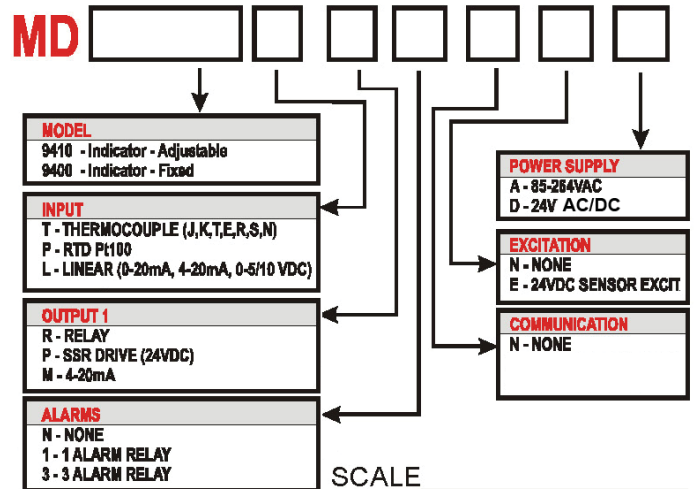
MODEL	5000psi	7500psi	9000psi	10,000psi
4"	RP3404-5000	RP3404-7500	RP3404-9000	RP3404-10000
4"R	RP3404R-5000	RP3404R-7500	RP3404R-9000	RP3404R-10000
5"	RP3405-5000	RP3405-7500	RP3405-9000	RP3405-10000
5"R	RP3405R-5000	RP3405R-7500	RP3405R-9000	RP3405R-10000
8"	RP3408-5000	RP3408-7500	RP3408-9000	RP3408-10000
8"R	RP3408R-5000	RP3408R-7500	RP3408R-9000	RP3408R-10000
9"	RP3409-5000	RP3409-7500	RP3409-9000	RP3409-10000
9"R	RP3409R-5000	RP3409R-7500	RP3409R-9000	RP3409R-10000

**STANDARD**

0.8" LARGE 3.5 DIGIT DISPLAY
 INPUT TC,RTD,4-20mA, 0-10VDC
 3.5 DIGIT DISPLAY
 PROGRAMMABLE SCALING
 POWER - 90 - 260VAC

OPTIONS

1, 3 ALARM OUTPUT
 4-20mA RETRANSMISSION
 24VDC SENSOR EXCITATION
 POWER - 24V AC/DC

**SPECIFICATIONS - MD SERIES****INPUT**

Thermocouple J, K, T, E, B, R, S, N
 RTD Pt100 ohms RTD (DIN)
 Range Config -1999 to +9999
 Accuracy 0.25% +/-1 DIGIT
 Sample Rate 200ms

ENVIRONMENT

Temp&Humid. 0-55degC, 0-95%RH
 Insulation 20M ohms min @ 500VDC

PHYSICAL

Size 96x48x100mm (1/8DIN)
 Panel cutout 92mmx45mm
 Display 4 DIGIT, 13mm LED
 Weight 250-375g

POWER

Standard 85-265VAC 50/60Hz 6VA
 Option 24V AC/DC

OUTPUT

Alarms (3 max) 3A/240VAC resistive.
 PV Retrans Isolated 0/4-20mADC

CABLE & CONNECTORS - TRANSDUCER / TRANSMITTERS**ORDER CODE****MP - CAB - Connector - Material - Protection - Length**

6B - 6pin Bayonet P - 105°C PVC N - None 12 - 12ft (3.7m)
 6S - 6pin Screw T - 200°C Teflon B - 304SS Braid 25 - 25ft (7.7m)
 8S - 8pin Screw H - 304SS Armour 50 - 50ft (15m)

STOCK LIST

LENGTH	DESCRIPTION	LENGTH	DESCRIPTION
MP-CAB-6B-PN12	6pin Bayonet 12ft PVC	MP-CAB-6B-TB12	6pin Bayonet 12ft Teflon/Braid
MP-CAB-6B-PN25	6pin Bayonet 25ft PVC	MP-CAB-6B-TB25	6pin Bayonet 25ft Teflon/Braid
MP-CAB-6B-PN50	6pin Bayonet 50ft PVC	MP-CAB-6B-TB50	6pin Bayonet 50ft Teflon/Braid
MP-CAB-6B-TN12	6pin Bayonet 12ft Teflon	MP-CAB-6B-TH12	6pin Bayonet 12ft Teflon/Armour
MP-CAB-6B-TN25	6pin Bayonet 25ft Teflon	MP-CAB-6B-TH25	6pin Bayonet 25ft Teflon/Armour
MP-CAB-6B-TN50	6pin Bayonet 50ft Teflon	MP-CAB-6B-TH50	6pin Bayonet 50ft Teflon/Armour

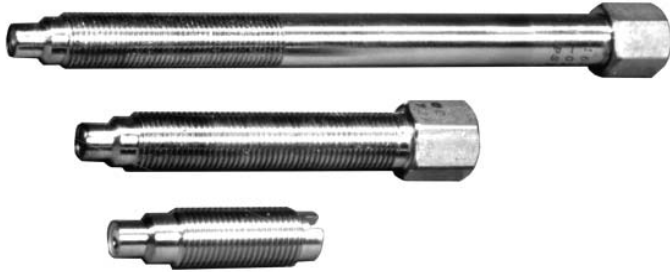
CABLE ASSEMBLIES - THERMOCOUPLE / RTD**ORDER CODE**

A900 - Type - Length - Wire - Term 1 - Term 2
 J - Thermocouple J 144 - 12ft (3.7m) P - 105°C PVC 1 - Fork Terminal 1 - Fork Terminal
 K - Thermocouple K 300 - 25ft (7.7m) T - 200°C Teflon 2 - Male Plug 2 - Male Plug
 RTD - PT100 Sensor 600 - 50ft (15m) B - 450°C Fiberglass + S/S Braid 3 - Female Jack 3 - Female Jack

STOCK LIST

LENGTH	DESCRIPTION	LENGTH	DESCRIPTION
A900J-144-P-3-1	J-t/c 12ft PVC female+fork	A900J-144-B-3-1	J-t/c 12ft S/S Braid female+fork
A900J-300-P-3-1	J-t/c 25ft PVC female+fork	A900J-300-B-3-1	J-t/c 12ft S/S Braid female+fork

TRANSDUCER HOLE PLUG

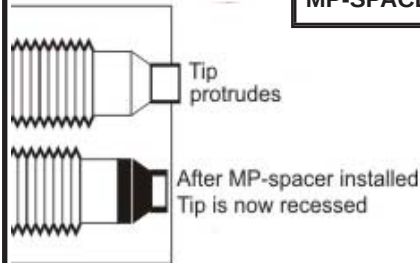


PART#	DESC
MP-PLUG-2	1.82"L SLOT
MP-PLUG-3	3" + Hex
MP-PLUG-6	6" + Hex

TRANSDUCER - Tip Spacer



PART#	DESC
MP-SPACER-025	0.025" Spacer
MP-SPACER-032	0.032" Spacer
MP-SPACER-045	0.045" Spacer
MP-SPACER-063	0.063" Spacer
MP-SPACER-090	0.090" Spacer



HOLE CLEANING KIT



PART#	DESC
MP-CLEAN-1/2	1/2"-20UNF
MP-CLEAN-5/8	5/8"-11NC
MP-CLEAN-3/4	3/4"-16NC
MP-CLEAN-M18	M18x1.5

HOLE DRILL KIT

5/16" REAMER



29/64 PILOT DRILL



9/32" DRILL



BOTTOM TAP



17/32" DRILL

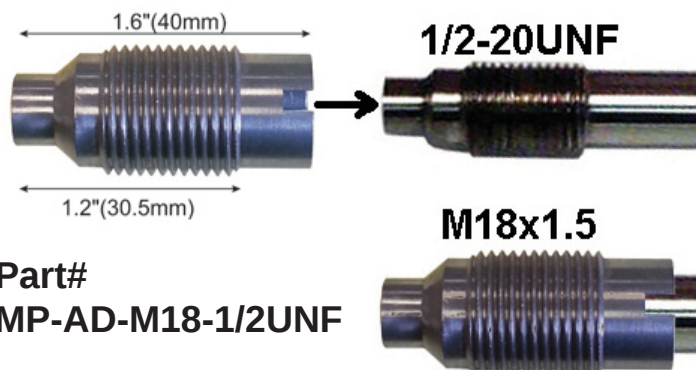


1/2-20UNF TAP



PART#	DESC
MP-CUT-1/2	1/2"-20UNF
MP-CUT-5/8	5/8"-11NC
MP-CUT-3/4	3/4"-16NC
MP-CUT-M18	M18x1.5

M18 to 1/2-20UNF ADAPTOR



MOUNTING BRACKET

PART# MP-MOUNTB

For all Flex Stem Transducers
and Gauges

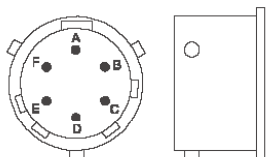


6 PIN BAYONET



MP-6BB

MP-6B



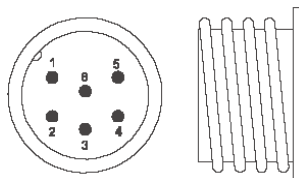
LEAD	COLOR	6 PIN
SIGNAL+	RED	A
SIGNAL-	BLACK	B
EXCITATION+	WHITE	C
EXCITATION-	GREEN	D
CALIBRATION	BLUE	E
CALIBRATION	ORANGE	F

6 PIN SCREW



MP-6SB

MP-6S



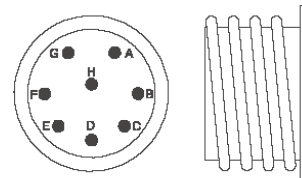
LEAD	COLOR	6 PIN
EXCITATION+	WHITE	1
EXCITATION-	GREEN	2
SIGNAL-	BLACK	3
SIGNAL+	RED	4
NOT USED		5
NOT USED		6

8 PIN SCREW



MP-8SB

MP-8S



LEAD	COLOR	8 PIN
EXCITATION+	WHITE	A
SIGNAL+	RED	B
EXCITATION-	GREEN	C
SIGNAL-	BLACK	D
CALIBRATION	BLUE	E
CALIBRATION	ORANGE	F
NOT USED		G
NOT USED		H

TRANSMITTER WIRING

WIRING - "W" - Bare Wire Leads

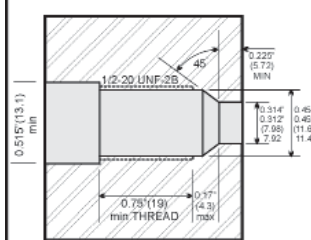
CURRENT(2wire)	VOLTAGE(3wire)
RED : +EXCITATION	RED : +EXCITATION
GREEN : +OUTPUT	GREEN : -EXCITATION
	YELLOW : +OUTPUT

WIRING - "4" - 4pin Wiring

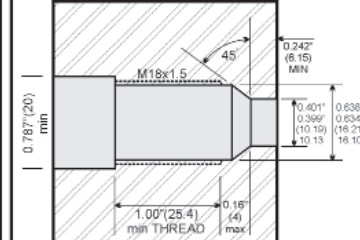
CURRENT(2wire)	VOLTAGE(3wire)
PIN 1 : +EXCITATION	PIN 1 : +EXCITATION
PIN 2 : +OUTPUT	PIN 2 : -EXCITATION
	PIN 3 : +OUTPUT

MOUNTING HOLE DETAILS

1/2-20 UNF-2B (STANDARD)



M18 x 1.5



REPRESENTATIVE

MPI Melt Pressure Inc.

21 Meteor Dr., Toronto
Ontario, Canada M9W 1A3
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ph (416) 675-7329
fx (416) 675-7349
sajr@mpipressure.com

Nov.2013

DIAPHRAGM SELECTION

DIAPHRAGM MATERIAL	APPLICATION
Inconel (Standard)	High Temp High Abrasion
Hastelloy C-276	Excellent Corrosion Resistance Below 600°F
Titanium Nitride	Abrasion Resistance
Diamond Particulate	Extreme Abrasion