

MK100 SERIES



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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 Fluid filled system
- * Standard 3.33mV/V
- * 6pin Bayonet Connector
- * 6" Stem
- * 18" Flex Hose (MK200)
- * 1% combined error
- * 80% Output Calibration
- * Interchangeable with all Competitor's models
- * 1000°F (538°C) Rating
- * Ranges from 0-750 to 0-20,000psi
- * Standard Diaphragm INCONEL

MK200 SERIES



MK200 SERIES

SAME AS MK100 PLUS:

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

OPTIONS MK100/200

- * OUTPUT OPTION 2.5mV/V
- * CONNECTOR OPTIONS 8pin 6pin-SCREW
- * 12" STEM
- * 30" Flex Hose (MK200)
- * OPTIONAL DIAPHRAGMS Hastelloy Extra Long Life Triple-Tip

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, 750, 1000, 1500, 3000, 5000, 7500, 10000, 15000, 20000psi
MAX ERROR
+/-0.5% Of Full Scale
REPEATABILITY
+/-0.2% Of Full Scale
OVERLOAD CAPABILITY
2x Full Scale
MOUNTING TORQUE
150 inch-lbsMIN 500 inch-lbsMAX

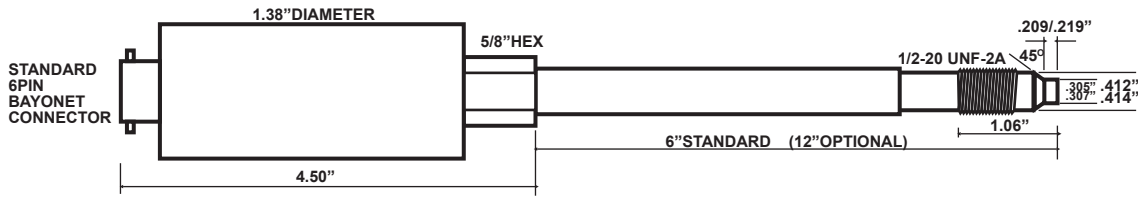
TEMPERATURE EFFECTS

MAXIMUM DIAPHRAGM TEMP
1000°F (538°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
+/-1% Of Full Scale
INTERNAL SHUNT CALIBRATION
+/-0.2% Of Full Scale
ZERO BALANCE
+/-5% FULL SCALE

OUTPUT 3.33mV/V or 2.5mV/V
EXCIT 7-12VDC (RECOMMEND - 10VDC)
OUTPUT 4-20mA, 2 WIRE
EXCIT 14-36VDC
OUTPUT 0-5VDC
EXCITATION 11-36VDC
OUTPUT 0-10VDC
EXCITATION 14-36VDC

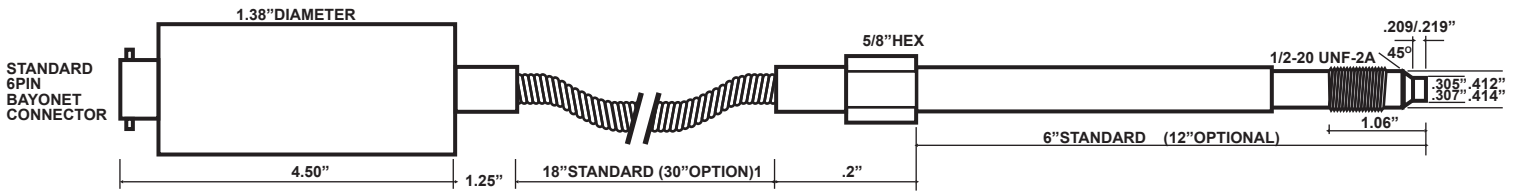


ORDER CODE						
MK1 X	X	- P XX	X	X	X	X
0 - 6"stem	1 - 3.3mV/V	1	M - Psi x 1000	S - 6pin Bayonet	S - Standard Inconel	- - 1/2"-20UNF
8 - 8"stem	2 - 2.5mV/V	1.5	B - Bar x 100	G - 6pin Screw	C - Chromium Nitride	M18 - M18x1.5
9 - 9"stem	4 - 4-20mA	3	P - MPa	8 - 8pin Screw	T - Titanium Nitride	M10 - M10x1.0
1 - 12"stem	5 - 0-5VDC	5		4 - 4pin DIN	I - Inconel Tip + Threads	.25 - 0.25% Accuracy
	6 - 1-5VDC	7.5 15			H - Hastelloy	
	7 - 0-10VDC	10 20			D - Diamond Particulate	

STOCK LIST - MK100		
PART#	PRESS (psi)	OUTPUT
MK10x-P3MyS	3,000	Specify
MK10x-P5MyS	5,000	3.3mV/V
MK10x-P7.5MyS	7,500	4-20mA
MK10x-P10MyS	10,000	0-10V
MK10x-P15MyS	15,000	0-5V
MK10x-P20MyS	20,000	1-11V

X - SPECIFY OUTPUT
Y - SPECIFY CONNECTOR

MK200 - RIGID STEM + FLEX

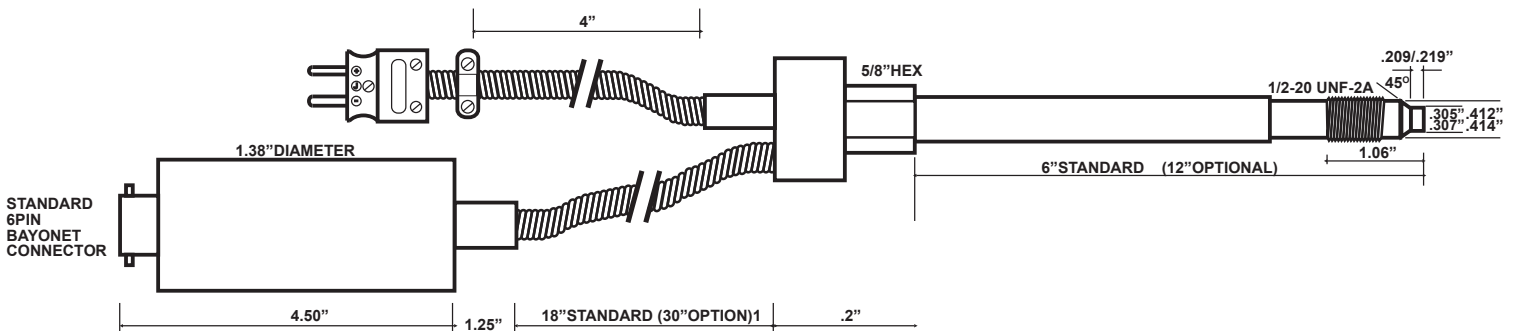


ORDER CODE						
MK2 X	X	- P XX	X	X	X	X
0 - 6"stem+18"Flex	1 - 3.3mV/V	1	M - Psi x 1000	S - 6pin Bayonet	S - Standard Inconel	- - 1/2"-20UNF
1 - 12"stem+18"Flex	2 - 2.5mV/V	1.5	B - Bar x 100	G - 6pin Screw	C - Chromium Nitride	M18 - M18x1.5
3 - 6"stem+30"Flex	4 - 4-20mA	3	P - MPa	8 - 8pin Screw	T - Titanium Nitride	M10 - M10x1.0
4 - 12"stem+30"Flex	5 - 0-5VDC	5		4 - 4pin DIN	I - Inconel Tip + Threads	.25 - 0.25% Accuracy
8 - 8"stem+18"Flex	6 - 1-5VDC	7.5 15			H - Hastelloy	
9 - 9"stem+18"Flex	7 - 0-10VDC	10 20			D - Diamond Particulate	

STOCK LIST - MK200		
PART#	PRESS (psi)	OUTPUT
MK20x-P3MyS	3,000	Specify
MK20x-P5MyS	5,000	3.3mV/V
MK20x-P7.5MyS	7,500	4-20mA
MK20x-P10MyS	10,000	0-10V
MK20x-P15MyS	15,000	0-5V
MK20x-P20MyS	20,000	1-11V

X - SPECIFY OUTPUT
Y - SPECIFY CONNECTOR

MKX - PRESSURE + TEMPERATURE



ORDER CODE						
MK X	X	- P XX	X	X	X	X
J - T/c J	0 - 6"stem+18"Flex	1 - 3.3mV/V	1	M - Psi x 1000	S - 6pin Bayonet	S - Standard Inconel
K - T/c K	1 - 12"stem+18"Flex	2 - 2.5mV/V	1.5	B - Bar x 100	G - 6pin Screw	C - Chromium Nitride
P - PT100	3 - 6"stem+30"Flex	4 - 4-20mA	3	P - MPa	8 - 8pin Screw	T - Titanium Nitride
	4 - 12"stem+30"Flex	5 - 0-5VDC	5		4 - 4pin DIN	I - Inconel Tip + Threads
	8 - 8"stem+18"Flex	6 - 1-5VDC	7.5 15			H - Hastelloy
	9 - 9"stem+18"Flex	7 - 0-10VDC	10 20			D - Diamond Particulate

STOCK LIST - MKJ		
PART#	PRESS (psi)	OUTPUT
MKJ0x-P3MyS	3,000	Specify
MKJ0x-P5MyS	5,000	3.3mV/V
MKJ0x-P7.5MyS	7,500	4-20mA
MKJ0x-P10MyS	10,000	0-10V
MKJ0x-P15MyS	15,000	0-5V
MKJ0x-P20MyS	20,000	1-11V

X - SPECIFY OUTPUT
Y - SPECIFY CONNECTOR