

**MG100 SERIES**

HEAD ROTATES 270°

6" Rigid Stem  
Replaceable Sensor

**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)
- \* ROTATEABLE DISPLAY (270°)
- \* STANDARD THREAD (1/2-20UNF)

**OPTIONS MG100/200**

- \* RETRANSMISSION OPTIONS :  
0-5VDC    0-10VDC    0-20mA
- \* 12"STEM
- \* 60" Flex Hose (MG200)
- \* OPTIONAL DIAPHRAGMS  
Hastelloy    Titanium Nitride  
Extra Long Life TRIPLE WEAR TIP
- \* OPTIONAL THREADS (M18x1.5)
- \* MERCURY FREE
- \* OPTIONAL POWER 12-24VDC

**MG200 SERIES**

6" Rigid Stem + 30" Flex  
Replaceable Sensor

**MGX SERIES**

6" Rigid Stem + 30" Flex  
Thermocouple J  
Replaceable Sensors

**FEATURES MGX**

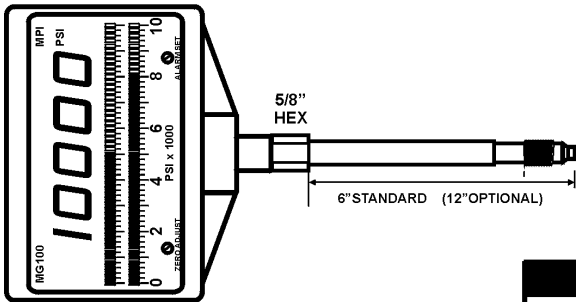
- \* same as MG200 Plus
- \* Thermocouple J  
Field replaceable

**OPTIONS MGX**

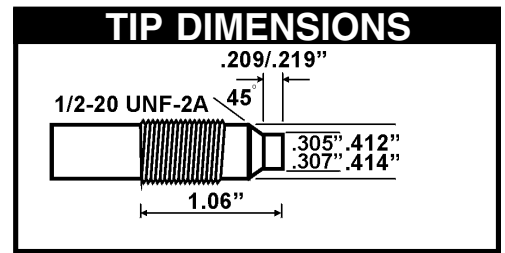
- \* same as MG200 Plus
- \* Temperature Sensors  
Thermocouple K  
Pt100 RTD sensor

# MELT PRESSURE

# ALARM GAUGES

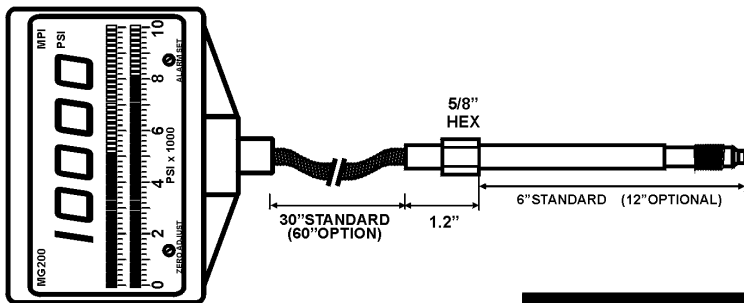


HEAD ROTATES 270°



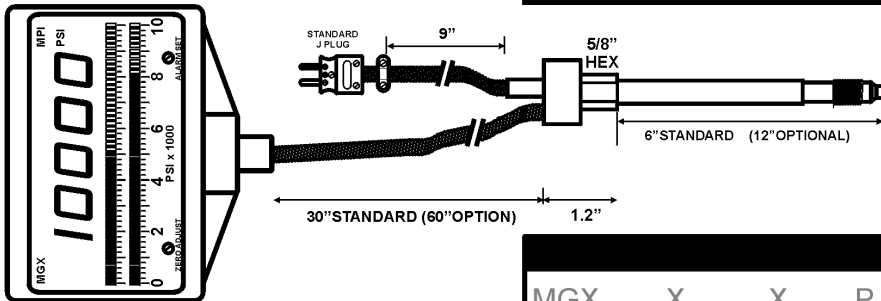
## MODEL CODE - MG100

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 - 10-32VDC	S - STANDARD INCONEL	M - 4-20mA	
		20			H - HASTELLOY	1 - 0-20mA	
					3 - TRIPLE WEAR TIP	5 - 0-5VDC	
						10 - 0-10VDC	



## MODEL CODE - MG200

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 - 10-32VDC	S - STANDARD INCONEL	M - 4-20mA
			20			H - HASTELLOY	1 - 0-20mA
						3 - TRIPLE WEAR TIP	5 - 0-5VDC
							10 - 0-10VDC



## MODEL CODE - MGX

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	RETRANS
K - T/C	1 - 12" Stem	1 - 60" Flex	10	B - BAR x 100	D - 10-32VDC	S - STANDARD INCONEL	M - 4-20mA
P - Pt100			20			H - HASTELLOY	1 - 0-20mA
						3 - TRIPLE WEAR TIP	5 - 0-5VDC
							10 - 0-10VDC

## SPECIFICATIONS

### MECHANICAL

**RANGES**  
0-500, 750, 1000, 1500, 3000, 5000,  
7500, 10000, 15000, 20000psi

**MAX ERROR**  
+/-1% 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**  
750° F (400° C)

**ZERO SHIFT of DIAPHRAGM**  
15psi / 100° F

**MAXIMUM HOUSING TEMP**  
750° F (400° 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 4-20mA, 2 WIRE

OUTPUT 0-20mA

OUTPUT 0-5VDC

OUTPUT 0-10VDC