

## MG100 & MG200 SERIES



**MG100 - Rigid Stem**



**MG200 - Rigid Stem + Flex**



**MG1** X P XX X 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 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**



## MGX SERIES



**MGX - Rigid Stem + Flex  
 c/w Thermocouple J**



**MGX** X X P XX X X 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 - 24V - AC/DC S - STANDARD INCONEL M - 4-20mA  
 P - Pt100 20 H - HASTELLOY 1 - 0-20mA  
 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  
**660°F(350°C) MERCURY FREE FILL**  
**1000°F(538°C) NaK Fill**

## MPG100



### MPG1XX - P XX

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

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

## MPGX00



### MPGX X X - P XX

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

### STOCK LIST

PART#	STEM	FLEX	PRESSURE
MPGX00-P5MS	6"	30"	5,000psi
MPGX00-P10MS	6"	30"	10,000psi
MPG100-P5MS	12"	30"	10,000psi

## SPECIFICATIONS

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 Option - Hastelloy