



MELT PRESSURE PRODUCTS

GENTRAN MELT PRESSURE REPLACEMENTS



MPI Melt Pressure (MPI) is a customer needs-driven manufacturer of plastic melt pressure products that has been operating out of Toronto, Canada since 1999. MPI is staffed by engineers and technicians with an average of 15 to 20 years of industry experience. We work hard to ensure that all our products provide a worry-free experience.

Our huge, in-stock inventory helps minimize your downtime. 90% of orders are shipped same-day and delivered next-day to the United States and Canada. We also provide full engineering and technical support via telephone from 8am-4pm EST. Or, email : sales@mpimorheat.com

MPI Melt Pressure offers products to directly replace models from Dynisco, Gefran, Gentran, Terwin, ISI, and GP50 with no wiring changes required.

GENTRAN REPLACEMENTS (No Wiring Changes)

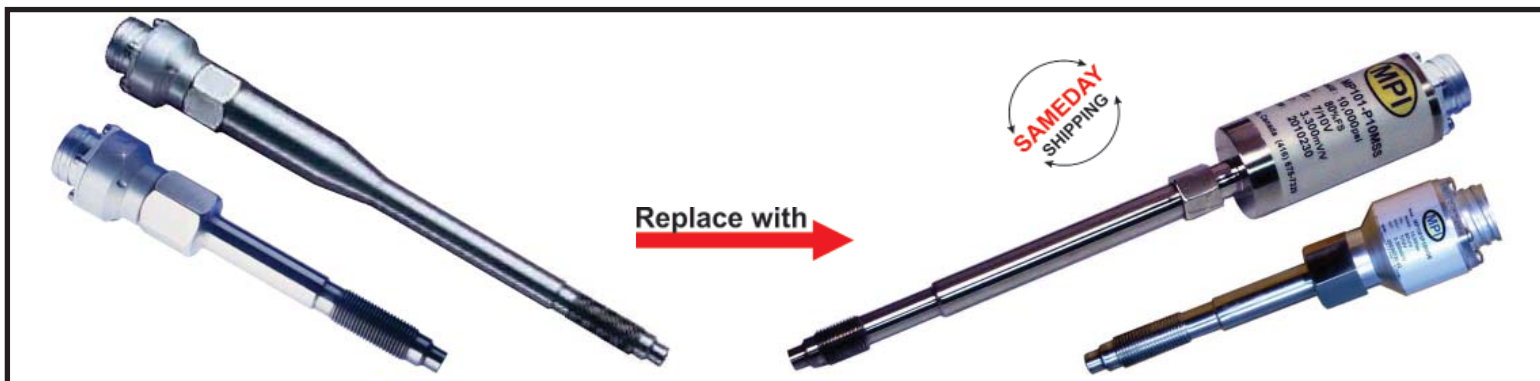


TABLE of CONTENTS

MELT PRESSURE SENSORS

GT72 / GT76 Replacements.....	pg. 2
GT72HP / GT76HP Replacements.....	pg. 4
GT100 Replacements.....	pg. 6
GT75 Replacements.....	pg. 8
GT791 / GT792 Replacements.....	pg.10

PRESSURE INDICATORS + ALM

GT409 / GT434 / GT435.....	pg.12
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PRESSURE + TEMP INDICATORS + ALM

GT439	pg.12
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PRESSURE GAUGES

GT95 DIGITAL GAUGE.....	pg.14
GT90 ANALOG GAUGE.....	pg.15

MPI MELT PRESSURE

ABOUT US.....	pg.16
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GT72 / GT76 - REPLACEMENTS (No Wiring Changes)



**GT72
GT76**



Replace with



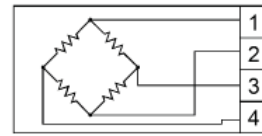
MPI



**GT72 / GT76
(Standard Wiring)**



Schematic and Pin Connections (Standard)*



- 1** (+) Output (Si+) **CABLE Green**
 - 2** (-) Output (Si-) **White**
 - 3** (+) Input (Ex+) **Black**
 - 4** (-) Input (Ex-) **Red**
-
- Thermocouple (Optional)**
 - 5** (+) T/C **White**
 - 6** (-) T/C **Red**

**ORDER CODE
Transducers**

Melt Pressure Transducer Model		Barrel Length		Thermocouple Type		Diaphragm Material		Wiring Options		"Z" Options		Pressure Range**	
MK72 (0.25%)	6	6 inch "A" Length	J	"J" Type	None	17-4 PH SST	None	Standard 6-pin Cannon Connector	None	Standard Unit	5C	0-500*	
MK76 (0.5%)	12	12 inch "A" Length	K	"K" Type	C	Hard Chrome	D6	Bendix 6-pin Connector	Z1	18" Integral Flexible Armored Cable	1K	0-1,000*	
			T	"T" Type	H	Hastelloy C-276	D8	Bendix 8-pin connector	Z2	24" Integral Flexible Armored Cable	3K	0-3,000	
			R	"RTD" Type	I	Inconel 718			Z3	30" Integral Flexible Armored Cable	5K	0-5,000	
					N	Titanium Nitride- TiN					7.5K	0-7,500	
					NN	Double Coated TiN					10K	0-10,000	
											15K	0-15,000	
											20K	0-20,000*	
											350 BAR	0-350 BAR	
											700 BAR	0-700 BAR	
											1400 BAR	0-1400 BAR	
											500 KG	0-500 Kg/cm ²	
											700 KG	0-700 Kg/cm ²	

SPECIFICATIONS - MK

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

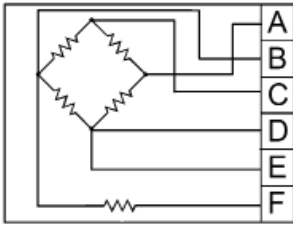
TEMPERATURE

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

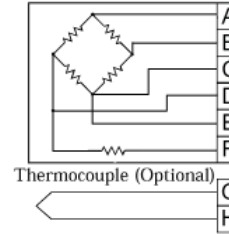
Measuring Sensor: 350ohm Wheatstone Bridge
Output: nominal 3mV/V
Internal Shunt Cal: +/-0.2%
Zero Balance: +/-0.5% of Full Scale
Excitation: 7-12VDC (recommend 10VDC)

D6 - 6pin Dynisco



- CABLE**
Red
Black
White
Green
Blue
Brown
- A (+) Output (Si+)
 - B (-) Output (Si-)
 - C (+) Input (Ex+)
 - D (-) Input (Ex-)
 - E R-Cal
 - F R-Cal

D8 - 8pin Dynisco



- CABLE**
White
Red
Green
Black
Blue
Brown
- A (+) Input (Ex+)
 - B (+) Output (Si+)
 - C (-) Input (Ex-)
 - D (-) Output (Si-)
 - E R-Cal
 - F R-Cal
 - G (+) T/C
 - H (-) T/C

ORDER CODE :Cables

MP-CAB-72		04	02	-10		
Cable Type	Thermocouple Type	Connector Type		Cable Length*		
MP-CAB-72 (Teflon + F/G sleeving)	04	No Thermocouple	02	Gentran	10	10 Feet
	64	"J" Type	11	Bendix 8-pin (D8)	20	20 Feet
MP-CAB-75 (Teflon + S/S Armour)	74	"K" Type	13	Bendix 6-pin (D6)	40	40 Feet
	94	"T" Type			Custom lengths available	
	84	"RTD" Type				

GENTRAN - MPI - Cross Reference (**ask factory for other part numbers***)**

GT72 (6pin Gentran) - Rigid Stem

GENTRAN	MPI	Pressure	Stem	Connect	T/C
GT72/6-5K	MK72/6-5K	5,000psi	6"	6S (Gentran)	No
GT72/6-10K	MK72/6-10K	10,000psi	6"	6S (Gentran)	No
GT72/6J-5K	MK72/6J-5K	5,000psi	6"	6S (Gentran)	J
GT72/6J-10K	MK72/6J-10K	10,000psi	6"	6S (Gentran)	J
GT72/12-5K	MK72/12-5K	5,000psi	12"	6S (Gentran)	No
GT72/12-10K	MK72/12-10K	10,000psi	12"	6S (Gentran)	No
GT72/12J-5K	MK72/12J-5K	5,000psi	12"	6S (Gentran)	J
GT72/12J-10K	MK72/12J-10K	10,000psi	12"	6S (Gentran)	J

GT76 (6pin Gentran) - Rigid Stem

GENTRAN	MPI	Pressure	Stem	Connect	T/C
GT76/6-5K	MK76/6-5K	5,000psi	6"	6S (Gentran)	No
GT76/6-10K	MK76/6-10K	10,000psi	6"	6S (Gentran)	No
GT76/6J-5K	MK76/6J-5K	5,000psi	6"	6S (Gentran)	J
GT76/6J-10K	MK76/6J-10K	10,000psi	6"	6S (Gentran)	J
GT76/12-5K	MK76/12-5K	5,000psi	12"	6S (Gentran)	No
GT76/12-10K	MK76/12-10K	10,000psi	12"	6S (Gentran)	No
GT76/12J-5K	MK76/12J-5K	5,000psi	12"	6S (Gentran)	J
GT76/12J-10K	MK76/12J-10K	10,000psi	12"	6S (Gentran)	J

GT76 (D6) - Rigid Stem

GENTRAN	MPI	Pressure	Stem	Connect	T/C
GT76/6/D6-5K	MK76/6/D6-5K	5,000psi	6"	D6 (Dynisco)	No
GT76/6/D6-10K	MK76/6/D6-10K	10,000psi	6"	D6 (Dynisco)	No
GT76/6J/D6-5K	MK76/6J/D6-5K	5,000psi	6"	D6 (Dynisco)	J
GT76/6J/D6-10K	MK76/6J/D6-10K	10,000psi	6"	D6 (Dynisco)	J
GT76/12/D6-5K	MK76/12/D6-5K	5,000psi	12"	D6 (Dynisco)	No
GT76/12/D6-10K	MK76/12/D6-10K	10,000psi	12"	D6 (Dynisco)	No
GT76/12J/D6-5K	MK76/12J/D6-5K	5,000psi	12"	D6 (Dynisco)	J
GT76/12J/D6-10K	MK76/12J/D6-10K	10,000psi	12"	D6 (Dynisco)	J

GT76 (D6/Z1) - Rigid Stem + 18" Flex

GENTRAN	MPI	Pressure	Stem	Connect	T/C
GT76/6/D6/Z1-5K	MK76/6/D6/Z1-5K	5,000psi	6"	D6 (Dynisco)	No
GT76/6/D6/Z1-10K	MK76/6/D6/Z1-10K	10,000psi	6"	D6 (Dynisco)	No
GT76/6J/D6/Z1-5K	MK76/6J/D6/Z1-5K	5,000psi	6"	D6 (Dynisco)	J
GT76/6J/D6/Z1-10K	MK76/6J/D6/Z1-10K	10,000psi	6"	D6 (Dynisco)	J
GT76/12/D6/Z1-5K	MK76/12/D6/Z1-5K	5,000psi	12"	D6 (Dynisco)	No
GT76/12/D6/Z1-10K	MK76/12/D6/Z1-10K	10,000psi	12"	D6 (Dynisco)	No
GT76/12J/D6/Z1-5K	MK76/12J/D6/Z1-5K	5,000psi	12"	D6 (Dynisco)	J
GT76/12J/D6/Z1-10K	MK76/12J/D6/Z1-10K	10,000psi	12"	D6 (Dynisco)	J

GT72HP / GT76HP - REPLACEMENTS (No Wiring Changes)



**GT72HP
GT76HP**



Replace with



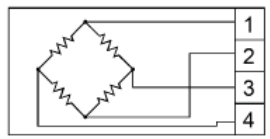
MPI



**GT72HP / GT76HP
(Standard Wiring)**



Schematic and Pin Connections (Standard)*



- 1** (+) Output (Si+) **CABLE Green**
 - 2** (-) Output (Si-) **White**
 - 3** (-) Input (Ex-) **Black**
 - 4** (+) Input (Ex+) **Red**
- Thermocouple (Optional)
- 5** (+) T/C **White**
 - 6** (-) T/C **Red**

**ORDER CODE
Transducers**

MK72HP /6 J C D6 Z1 -10K

Melt Pressure Transducer Model	Barrel Length		Thermocouple Type		Diaphragm Material		Wiring Options		"Z" Options		Pressure Range**	
MK72HP (0.5%)	6	6 inch "A" Length	J	"J" Type	None	17-4 PH SST	None	Standard 6-pin Cannon Connector	None	Standard Unit	5C	0-500*
			K	"K" Type	C	Hard Chrome	Z1		18" Integral Flexible Armored Cable	1K	0-1,000*	
MK72HP (0.5%)	12	12 inch "A" Length	T	"T" Type	H	Hastelloy C-276	D6	Bendix 6-pin Connector	Z2	24" Integral Flexible Armored Cable	1.5K	0-1,500
			R	"RTD" Type	I	Inconel 718	D8	Bendix 8-pin connector		5K	0-5,000	
			N	Titanium Nitride- TiN	7.5K	0-7,500						
			NN	Double Coated TiN	10K	0-10,000						
								Z3	30" Integral Flexible Armored Cable	15K	0-15,000	
										20K	0-20,000*	
										350 BAR	0-350 BAR	
										700 BAR	0-700 BAR	
										1400 BAR	0-1400 BAR	
										500 KG	0-500 Kg/cm ²	
										700 KG	0-700 Kg/cm ²	

SPECIFICATIONS - MK

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

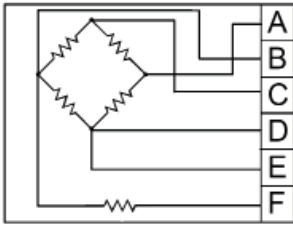
TEMPERATURE

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
Output: nominal 3mV/V
Internal Shunt Cal: +/-0.2%
Zero Balance: +/-0.5% of Full Scale
Excitation: 7-12VDC (recommnd 10VDC)

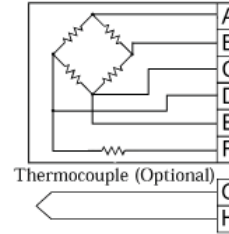
D6 - 6pin Dynisco



A (+) Output (Si+)
 B (-) Output (Si-)
 C (+) Input (Ex+)
 D (-) Input (Ex-)
 E R-Cal
 F R-Cal

CABLE
 Red
 Black
 White
 Green
 Blue
 Brown

D8 - 8pin Dynisco



A (+) Input (Ex+) White
 B (+) Output (Si+) Red
 C (-) Input (Ex-) Green
 D (-) Output (Si-) Black
 E R-Cal Blue
 F R-Cal Brown
 Thermocouple (Optional)
 G (+) T/C White (J) Yellow (K)
 H (-) T/C Red

ORDER CODE :Cables

MP-CAB-72		04	02	-10
Cable Type	Thermocouple Type	Connector Type		Cable Length*
MP-CAB-72 (Teflon + F/G sleeving)	04	No Thermocouple	02	Gentran 10 10 Feet
	64	"J" Type	11	Bendix 8-pin (D8) 20 20 Feet
MP-CAB-75 (Teflon + S/S Armour)	74	"K" Type	13	Bendix 6-pin (D6) 40 40 Feet Custom lengths available
	94	"T" Type		
	84	"RTD" Type		

GENTRAN - MPI - Cross Reference (**ask factory for other part numbers***)**

GT72HP (6pin Gentran) - Rigid Stem

GENTRAN	MPI	Pressure	Stem	Connect	T/C
GT72HP/6-5K	MK72HP/6-5K	5,000psi	6"	6S (Gentran)	No
GT72HP/6-10K	MK72HP/6-10K	10,000psi	6"	6S (Gentran)	No
GT72HP/6J-5K	MK72HP/6J-5K	5,000psi	6"	6S (Gentran)	J
GT72HP/6J-10K	MK72HP/6J-10K	10,000psi	6"	6S (Gentran)	J
GT72HP/12-5K	MK72HP/12-5K	5,000psi	12"	6S (Gentran)	No
GT72HP/12-10K	MK72HP/12-10K	10,000psi	12"	6S (Gentran)	No
GT72HP/12J-5K	MK72HP/12J-5K	5,000psi	12"	6S (Gentran)	J
GT72HP/12J-10K	MK72HP/12J-10K	10,000psi	12"	6S (Gentran)	J

GT76HP (6pin Gentran) - Rigid Stem

GENTRAN	MPI	Pressure	Stem	Connect	T/C
GT76HP/6-5K	MK76HP/6-5K	5,000psi	6"	6S (Gentran)	No
GT76HP/6-10K	MK76HP/6-10K	10,000psi	6"	6S (Gentran)	No
GT76HP/6J-5K	MK76HP/6J-5K	5,000psi	6"	6S (Gentran)	J
GT76HP/6J-10K	MK76HP/6J-10K	10,000psi	6"	6S (Gentran)	J
GT76HP/12-5K	MK76HP/12-5K	5,000psi	12"	6S (Gentran)	No
GT76HP/12-10K	MK76HP/12-10K	10,000psi	12"	6S (Gentran)	No
GT76HP/12J-5K	MK76HP/12J-5K	5,000psi	12"	6S (Gentran)	J
GT76HP/12J-10K	MK76HP/12J-10K	10,000psi	12"	6S (Gentran)	J

GT72HP (D6) - Rigid Stem

GENTRAN	MPI	Pressure	Stem	Connect	T/C
GT72HP/6/D6-5K	MK72HP/6/D6-5K	5,000psi	6"	D6 (Dynisco)	No
GT72HP/6/D6-10K	MK72HP/6/D6-10K	10,000psi	6"	D6 (Dynisco)	No
GT72HP/6J/D6-5K	MK72HP/6J/D6-5K	5,000psi	6"	D6 (Dynisco)	J
GT72HP/6J/D6-10K	MK72HP/6J/D6-10K	10,000psi	6"	D6 (Dynisco)	J
GT72HP/12/D6-5K	MK72HP/12/D6-5K	5,000psi	12"	D6 (Dynisco)	No
GT76HP/12/D6-10K	MK76HP/12/D6-10K	10,000psi	12"	D6 (Dynisco)	No
GT76HP/12J/D6-5K	MK76HP/12J/D6-5K	5,000psi	12"	D6 (Dynisco)	J
GT76HP/12J/D6-10K	MK76HP/12J/D6-10K	10,000psi	12"	D6 (Dynisco)	J

GT72HP (D6/Z1) - Rigid Stem + 18" Flex

GENTRAN	MPI	Pressure	Stem	Connect	T/C
GT72HP/6/D6/Z1-5K	MK76HP/6/D6/Z1-5K	5,000psi	6"	D6 (Dynisco)	No
GT72HP/6/D6/Z1-10K	MK76HP/6/D6/Z1-10K	10,000psi	6"	D6 (Dynisco)	No
GT72HP/6J/D6/Z1-5K	MK76HP/6J/D6/Z1-5K	5,000psi	6"	D6 (Dynisco)	J
GT72HP/6J/D6/Z1-10K	MK76HP/6J/D6/Z1-10K	10,000psi	6"	D6 (Dynisco)	J
GT72HP/12/D6/Z1-5K	MK76HP/12/D6/Z1-5K	5,000psi	12"	D6 (Dynisco)	No
GT76HP/12/D6/Z1-10K	MK76HP/12/D6/Z1-10K	10,000psi	12"	D6 (Dynisco)	No
GT76HP/12J/D6/Z1-5K	MK76HP/12J/D6/Z1-5K	5,000psi	12"	D6 (Dynisco)	J
GT76HP/12J/D6/Z1-10K	MK76HP/12J/D6/Z1-10K	10,000psi	12"	D6 (Dynisco)	J

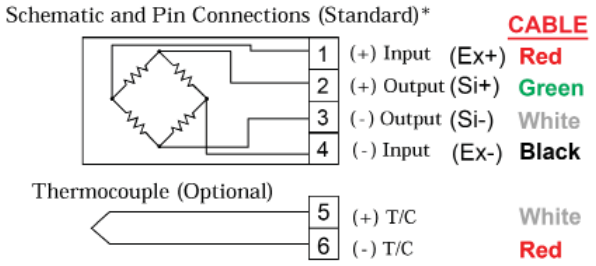
GT100 - REPLACEMENTS (No Wiring Changes)



Replace with



**GT100
(Standard Wiring)**



**ORDER CODE
Transducers**

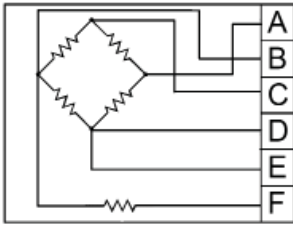
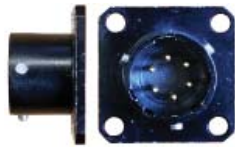
MKGT100 /6 J C D6 -10K

Melt Pressure Transducer Model	Barrel Length		Thermocouple Type		Diaphragm Material		Wiring Options		Pressure Range**	
MKGT100	6	6 inch "A" Length	J	"J" Type	None	17-4 PH SST	None	Standard 6-pin Cannon Connector	5C	0-500*
			K	"K" Type	C	Hard Chrome			1K	0-1,000*
	12	12 inch "A" Length	T	"T" Type	H	Hastelloy C-276	D6	Bendix 6-pin Connector	1.5K	0-1,500
			R	"RTD" Type	I	Inconel 718	D8	Bendix 8-pin connector	3K	0-3,000
					N	Titanium Nitride- TiN			5K	0-5,000
									7.5K	0-7,500
									10K	0-10,000
									15K	0-15,000
									20K	0-20,000*
							350 BAR	0-350 BAR		
					700 BAR	0-700 BAR				
					1400 BAR	0-1400 BAR				
				500 KG	0-500 Kg/cm ²					
				700 KG	0-700 Kg/cm ²					

SPECIFICATIONS - MK

<p>MECHANICAL</p> <p>Ranges: 0-1000 to 0-30,000psi</p> <p>Max Error: 0.5% of Full Scale</p> <p>Repeatability: +/-0.2%</p> <p>Overload Capab: 2x Full Scale</p> <p>Mount Torque: 150in-500 in-lbs</p>	<p>TEMPERATURE</p> <p>Max Diaph. Temp: 750°F(400°C)</p> <p>Zero Shift of Diaph.: 15psi/100°F</p> <p>Zero Shift of Elect.: 1%/100°F</p> <p>Max Housing Temp: 250°F(120°C)</p>	<p>ELECTRICAL</p> <p>Measuring Sensor: 350ohm Wheatstone Bridge</p> <p>Output: nominal 3mV/V</p> <p>Internal Shunt Cal: +/-0.2%</p> <p>Zero Balance: +/-0.5% of Full Scale</p> <p>Excitation: 7-12VDC (recommnd 10VDC)</p>
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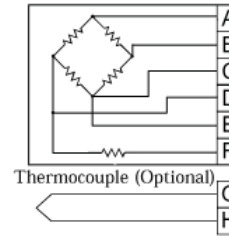
D6 - 6pin Dynisco



CABLE
Red
Black
White
Green
Blue
Brown

A (+) Output (Si+)
 B (-) Output (Si-)
 C (+) Input (Ex+)
 D (-) Input (Ex-)
 E R-Cal
 F R-Cal

D8 - 8pin Dynisco



CABLE
White
Red
Green
Black
Blue
Brown

A (+) Input (Ex+)
 B (+) Output (Si+)
 C (-) Input (Ex-)
 D (-) Output (Si-)
 E R-Cal
 F R-Cal
 Thermocouple (Optional)
 G (+) T/C
 H (-) T/C

ORDER CODE :Cables

MP-CAB-72		04	02	-10		
Cable Type	Thermocouple Type	Connector Type		Cable Length*		
MP-CAB-72 (Teflon + F/G sleeving)	04	No Thermocouple	02	Gentran	10	10 Feet
	64	"J" Type	11	Bendix 8-pin (D8)	20	20 Feet
MP-CAB-75 (Teflon + S/S Armour)	74	"K" Type	13	Bendix 6-pin (D6)	40	40 Feet
	94	"T" Type			Custom lengths available	
	84	"RTD" Type				

GENTRAN - MPI - Cross Reference (**ask factory for other part numbers****)**

GT100 (6pin Gentran)					
GENTRAN	MPI	Pressure	Stem	Connect	T/C
GT100/6-5K	MKGT100/6-5K	5,000psi	6"	6S (Gentran)	No
GT100/6-10K	MKGT100/6-10K	10,000psi	6"	6S (Gentran)	No
GT100/6J-5K	MKGT100/6J-5K	5,000psi	6"	6S (Gentran)	J
GT100/6J-10K	MKGT100/6J-10K	10,000psi	6"	6S (Gentran)	J
GT100/6-5K	MKGT100/12-5K	5,000psi	12"	6S (Gentran)	No
GT100/6-10K	MKGT100/12-10K	10,000psi	12"	6S (Gentran)	No
GT100/6J-5K	MKGT100/12J-5K	5,000psi	12"	6S (Gentran)	J
GT100/6J-10K	MKGT100/12J-10K	10,000psi	12"	6S (Gentran)	J

GT100 - Dynisco 6pin (D6)					
GENTRAN	MPI	Pressure	Stem	Connect	T/C
GT100/6-D6-5K	MKGT100/6-D6-5K	5,000psi	6"	D6 (Dynisco)	No
GT100/6-D6-10K	MKGT100/6-D6-10K	10,000psi	6"	D6 (Dynisco)	No
GT100/6J-D6-5K	MKGT100/6J-D6-5K	5,000psi	6"	D6 (Dynisco)	J
GT100/6J-D6-10K	MKGT100/6J-D6-10K	10,000psi	6"	D6 (Dynisco)	J
GT100/6-D6-5K	MKGT100/12-D6-5K	5,000psi	12"	D6 (Dynisco)	No
GT100/6-D6-10K	MKGT100/12-D6-10K	10,000psi	12"	D6 (Dynisco)	No
GT100/6J-D6-5K	MKGT100/12J-D6-5K	5,000psi	12"	D6 (Dynisco)	J
GT100/6J-D6-10K	MKGT100/12J-D6-10K	10,000psi	12"	D6 (Dynisco)	J

GT100 - Dynisco 8pin (D8)					
GENTRAN	MPI	Pressure	Stem	Connect	T/C
GT100/6-D8-5K	MKGT100/6-D8-5K	5,000psi	6"	D8 (Dynisco)	No
GT100/6-D8-10K	MKGT100/6-D8-10K	10,000psi	6"	D8 (Dynisco)	No
GT100/6J-D8-5K	MKGT100/6J-D8-5K	5,000psi	6"	D8 (Dynisco)	J
GT100/6J-D8-10K	MKGT100/6J-D8-10K	10,000psi	6"	D8 (Dynisco)	J
GT100/6-D8-5K	MKGT100/12-D8-5K	5,000psi	12"	D8 (Dynisco)	No
GT100/6-D8-10K	MKGT100/12-D8-10K	10,000psi	12"	D8 (Dynisco)	No
GT100/6J-D8-5K	MKGT100/12J-D8-5K	5,000psi	12"	D8 (Dynisco)	J
GT100/6J-D8-10K	MKGT100/12J-D8-10K	10,000psi	12"	D8 (Dynisco)	J

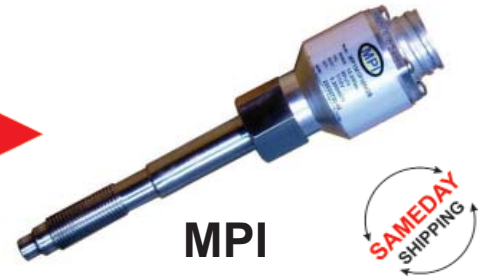
GT75 - REPLACEMENTS (No Wiring Changes)



GT75



Replace with



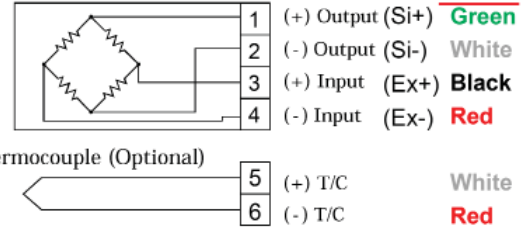
MPI



**GT75
(Standard Wiring)**



Schematic and Pin Connections (Standard)*



**ORDER CODE
Transducers**

MK75		J		C		-10K				
Model	Accuracy		Thermocouple		Diaphragm		Other Options		Pressure Range (PSI)	
MK75 (3.5"STEM)	None	+/-1.0%	J	"J" Type	None	17-4PH S/S	None	6pin Gentran	5C	0-500
	A	+/-0.5%	K	"K" Type	C	Hard Chrome	D6	6pin Dynisco	1K	0-1000
					I	Inconel 718			1.5K	0-1500
					N	Titanium Nitride	D8	8pin Dynisco	3K	0-3000
									5K	0-5000
									10K	0-10000
									15K	0-15000

SPECIFICATIONS - MK

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

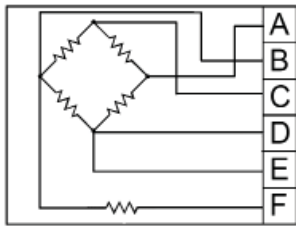
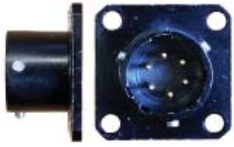
TEMPERATURE

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

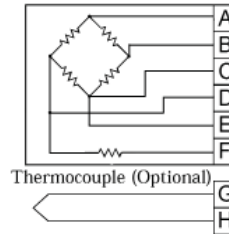
Measuring Sensor: 350ohm Wheatstone Bridge
Output: nominal 3mV/V
Internal Shunt Cal: +/-0.2%
Zero Balance: +/-0.5% of Full Scale
Excitation: 7-12VDC (recommend 10VDC)

D6 - 6pin Dynisco



- A (+) Output (Si+) **CABLE Red**
- B (-) Output (Si-) **Black**
- C (+) Input (Ex+) **White**
- D (-) Input (Ex-) **Green**
- E R-Cal **Blue**
- F R-Cal **Brown**

D8 - 8pin Dynisco



- A (+) Input (Ex+) **CABLE White**
- B (+) Output (Si+) **Red**
- C (-) Input (Ex-) **Green**
- D (-) Output (Si-) **Black**
- E R-Cal **Blue**
- F R-Cal **Brown**
- G (+) T/C **White (J) Yellow(K)**
- H (-) T/C **Red**

ORDER CODE :Cables

MP-CAB-72		04	02	-10		
Cable Type	Thermocouple Type	Connector Type		Cable Length*		
MP-CAB-72 <small>(Teflon + F/G sleeving)</small>	04 No Thermocouple	02	Gentran	10	10 Feet	
	MP-CAB-75 <small>(Teflon + S/S Armour)</small>	64 "J" Type	11	Bendix 8-pin (D8)	20	20 Feet
74 "K" Type		13	Bendix 6-pin (D6)	40	40 Feet	
94 "T" Type					Custom lengths available	
84 "RTD" Type						

GENTRAN - MPI - Cross Reference (**ask factory for other part numbers****)**

GT75 - Gentran 6pin					
GENTRAN	MPI	Pressure	Stem	Connect	T/C
GT75-5K	MK75-5K	5,000psi	3.5"	6S (Gentran)	No
GT75-10K	MK75-10K	10,000psi	3.5"	6S (Gentran)	No
GT75J-5K	MK75J-5K	5,000psi	3.5"	6S (Gentran)	J
GT75J-10K	MK75J-10K	10,000psi	3.5"	6S (Gentran)	J

GT75 - Dynisco 6pin (D6)					
GENTRAN	MPI	Pressure	Stem	Connect	T/C
GT75-D6-5K	MK75-D6-5K	5,000psi	3.5"	D6 (Dynisco)	No
GT75-D6-10K	MK75-D6-10K	10,000psi	3.5"	D6 (Dynisco)	No
GT75J-D6-5K	MK75J-D6-5K	5,000psi	3.5"	D6 (Dynisco)	J
GT75J-D6-10K	MK75J-D6-10K	10,000psi	3.5"	D6 (Dynisco)	J

GT75 - Dynisco 8pin (D8)					
GENTRAN	MPI	Pressure	Stem	Connect	T/C
GT75-D8-5K	MK75-D8-5K	5,000psi	3.5"	D8 (Dynisco)	No
GT75-D8-10K	MK75-D8-10K	10,000psi	3.5"	D8 (Dynisco)	No
GT75J-D8-5K	MK75J-D8-5K	5,000psi	3.5"	D8 (Dynisco)	J
GT75J-D8-10K	MK75J-D8-10K	10,000psi	3.5"	D8 (Dynisco)	J

GT791 and GT792 - REPLACEMENTS (No Wiring Changes)



Replace with



ORDER CODE Transmitters

MK791 A /6 J C Z1 -10K

Melt Pressure Transducer Model		Electrical Connection		Barrel Length		Thermocouple Type		Diaphragm Material		"Z" Options		Pressure Range**		
MK791	4-20mA Output	A	½ NPT Fitting Integral Cable Out	6	6 inch "A" Length	J	"J" Type	None	17-4 PH SST	None	Standard Unit	5C	0-500*	
	MK792					0-10Volt Output	B	Bendix Connector	12	12 inch "A" Length	K	"K" Type	C	Hard Chrome
T		"T" Type	H	Hastelloy C-276	Z2	24" Integral Flexible Armored Cable					3K	0-3,000		
R		"RTD" Type	I	Inconel 718		5K					0-5,000			
					N	Titanium Nitride- TiN					Z3	30" Integral Flexible Armored Cable	7.5K	0-7,500
													10K	0-10,000
					NN	Double Coated TiN					15K	0-15,000		
20K	0-20,000*													
										350 BAR	0-350 BAR			
										700 BAR	0-700 BAR			
										1400 BAR	0-1400 BAR			
										500 KG	0-500 Kg/cm ²			
										700 KG	0-700 Kg/cm ²			

SPECIFICATIONS - MK

MECHANICAL

Ranges: 0-300 to 0-30,000psi
Max Error: 1% of Full Scale
Repeatability: +/-0.2%
Overload Capab: 2x Full Scale
Mount Torque: 150in-500 in-lbs

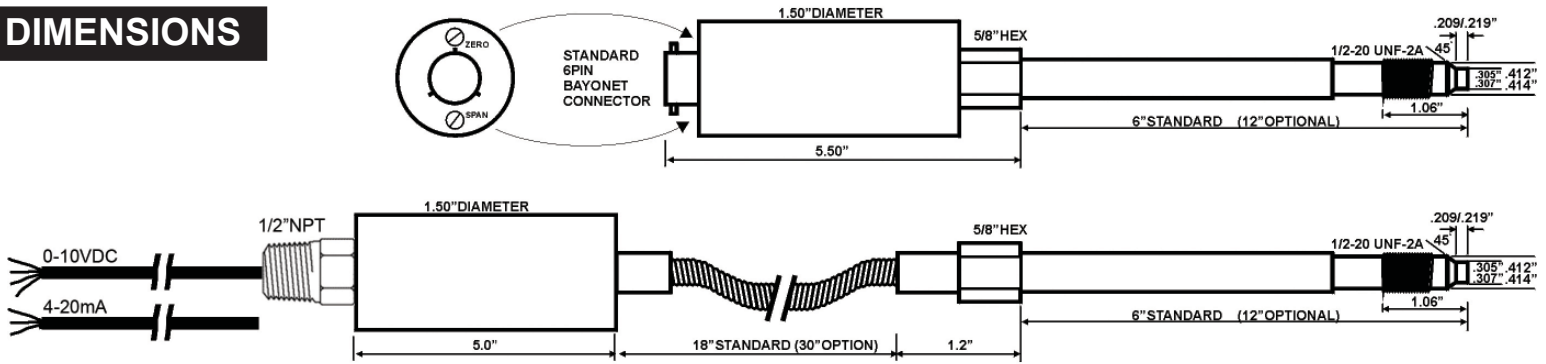
TEMPERATURE

Max Diaph. Temp: 1000°F(538°C)
Zero Shift of Diaph.: 10psi/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(): 80% of FS
Zero&Span Adjust(0-10V or 4-20mA): +/-0.15% FS
Excitation: 0-10V(14-36V) , 4-20mA(14-36V)

DIMENSIONS



WIRING : TRANSMITTERS - 6pin (D6) + 1/2"NPT+cable

4-20mA DC

PIN	4-20mA (2wire)
A (black)	OUT (+) / SIGNAL (+)
B (white)	OUT (-) / SIGNAL (-)
C (n/a)	n/a
D (n/a)	n/a
E (white)	optional T/C (+)
F (red)	optional T/C (-)

0-10V DC

PIN	VOLTAGE(4wire)
A (red)	OUT (+) / SIGNAL (+)
B (black)	OUT (-) / SIGNAL (-)
C (white)	INPUT(+) / EXCIT (+)
D (green)	INPUT(-) / EXCIT (-)
E (white)	optional T/C (+)
F (red)	optional T/C (-)

ORDER CODE :Cables

MP-CAB-72		04	30	-10
Cable Type	Thermocouple Type	Connector Type	Cable Length*	
MP-CAB-72 (Teflon + F/G sleeving)	04 No Thermocouple	30 GT791B D6 (Dynisco)	10	10 Feet
	64 "J" Type		20	20 Feet
MP-CAB-75 (Teflon + S/S Armour)	74 "K" Type	13 GT792B D6 (Dynisco)	40	40 Feet
	94 "T" Type		Custom lengths available	
	84 "RTD" Type			

GENTRAN - MPI - Cross Reference (**ask factory for other part numbers****)**

GT791A - 4-20mA - 1/2"NPT+cable

GENTRAN	MPI	Pressure	Stem	Armor	T/C
GT792A/6-Z1-5K	MK792A/6-Z1-5K	5,000psi	6"	18"	No
GT792A/6-Z1-10K	MK792A/6-Z1-10K	10,000psi	6"	18"	No
GT792A/6J-Z1-5K	MK792A/6J-Z1-5K	5,000psi	6"	18"	J
GT792A/6J-Z1-10K	MK792A/6J-Z1-10K	10,000psi	6"	18"	J

GT791B - 4-20mA - Dynisco 6pin (D6)

GENTRAN	MPI	Pressure	Stem	Armor	T/C
GT792B/6-Z1-5K	MK792B/6-Z1-5K	5,000psi	6"	18"	No
GT792B/6-Z1-10K	MK792B/6-Z1-10K	10,000psi	6"	18"	No
GT792B/6J-Z1-5K	MK792B/6J-Z1-5K	5,000psi	6"	18"	J
GT792B/6J-Z1-10K	MK792B/6J-Z1-10K	10,000psi	6"	18"	J

GT792A - 0-10VDC - 1/2"NPT+cable

GENTRAN	MPI	Pressure	Stem	Armor	T/C
GT792A/6-Z1-5K	MK792A/6-Z1-5K	5,000psi	6"	18"	No
GT792A/6-Z1-10K	MK792A/6-Z1-10K	10,000psi	6"	18"	No
GT792A/6J-Z1-5K	MK792A/6J-Z1-5K	5,000psi	6"	18"	J
GT792A/6J-Z1-10K	MK792A/6J-Z1-10K	10,000psi	6"	18"	J

GT792B - 0-10VDC - Dynisco 6pin (D6)

GENTRAN	MPI	Pressure	Stem	Armor	T/C
GT792B/6-Z1-5K	MK792B/6-Z1-5K	5,000psi	6"	18"	No
GT792B/6-Z1-10K	MK792B/6-Z1-10K	10,000psi	6"	18"	No
GT792B/6J-Z1-5K	MK792B/6J-Z1-5K	5,000psi	6"	18"	J
GT792B/6J-Z1-10K	MK792B/6J-Z1-10K	10,000psi	6"	18"	J

GENTRAN to MPI - INDICATOR REPLACEMENTS



GT434



GT409



GT435



Replace with

PRESSURE



GT439



Replace with

PRESSURE & TEMPERATURE



MP9610 - PRESSURE INDICATOR + ALARM



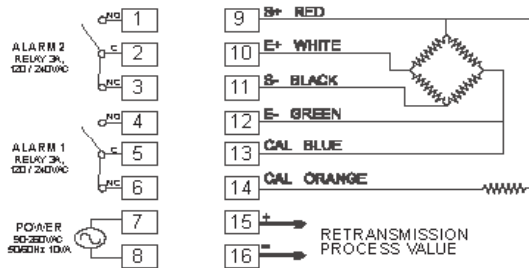
STANDARD
 PRESSURE TRANSDUCER INPUT
 THERMOCOUPLE J INPUT
 SCALEABLE RANGE
 3 CONFIGURABLE ALARMS
 HIGH/LOW/OFF TEMP or PRESS
 AUTO or MANUAL CALIBRATION
 MANUAL ZERO
 PROCESS VALUE - RETRANS
 LOCKOUT
 OPTION - 24VDC

MPT9610 - PRESSURE + TEMP INDICATOR + ALARM



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

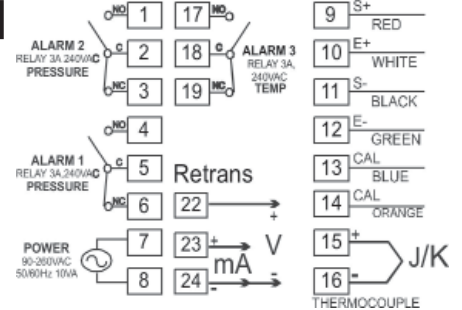
WIRING



ORDER CODE

MP9610-PRR - RETRANS of PV - 85-265VAC
 M 4-20mA
 0 0-10mA
 1 0-20mA
 5 0-5V
 6 1-5V
 10 0-10V
24V 24VDC

WIRING



ORDER CODE

MPT9610-PTRRR - RETRANS of PV - 85-265VAC
 M 4-20mA
 0 0-10mA
 1 0-20mA
 5 0-5V
 6 1-5V
 10 0-10V
24V 24VDC

MP9610 - PRESSURE INDICATOR + AL

GENTRAN GT409, 434, 435 - Cross Reference (**ask factory for other part numbers****)**

GENTRAN	MPI	Press Range	Alarms	Retransmission	power
GT409-x-6-xx-x-xx GT434-x-6-xx-x-xx GT435-x-6-xx-x-xx	MP9610-PRR-M	programmable 500-10000	2 programmable High / Low	4-20mA	85-265VAC
GT409-x-10-xx-x-xx GT434-x-10-xx-x-xx GT435-x-10-xx-x-xx	MP9610-PRR-10	programmable 500-10000	2 programmable High / Low	0-10VDC	85-265VAC
GT409-x-5-xx-x-xx GT434-x-5-xx-x-xx GT435-x-5-xx-x-xx	MP9610-PRR-5	programmable 500-10000	2 programmable High / Low	0-5VDC	85-265VAC

SPECIFICATIONS - 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

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

MPT9610 - PRESSURE + TEMP INDICATOR + AL
GENTRAN GT439 - Cross Reference (**ask factory for other part numbers****)**

GENTRAN	MPI	Press Range	Temp Range	Alarms	Retransmission	power
GT439-x-6-xx-x-xx	MP9610-PRR-M	programmable 500-10000	Thermocouple J (°F/°C)	3 programmable High / Low	4-20mA	85-265VAC
GT439-x-10-xx-x-xx	MP9610-PRR-10	programmable 500-10000	Thermocouple J (°F/°C)	3 programmable High / Low	0-10VDC	85-265VAC
GT439-x-5-xx-x-xx	MP9610-PRR-5	programmable 500-10000	Thermocouple J (°F/°C)	3 programmable High / Low	0-5VDC	85-265VAC

SPECIFICATIONS - MPT9610

INPUTS

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

ALARM OUTPUTS

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

POWER

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

RETRANS 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

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
 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
 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
 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
 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

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	U - Stem Up
	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

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

MPGX00



MPGX

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

MPI Melt Pressure Inc. - About Us

MPI Melt Pressure has built Melt Pressure Transducers and Transmitters at our factory in Toronto, Canada since 1999. MPI engineers bring over 50 years of experience visiting and solving technical problems in the plastic extrusion industry in some of the most difficult environments. During this time we have experienced just about all the types of problems that can be encountered, and use this vast knowledge base to assist all our current customers.

Our philosophy is to provide cost competitive Melt Pressure Transducers and Transmitters with the quickest delivery and best technical support in the industry. Currently, 90% of our custom products ship out within 1-2 days. Our goal is to ship all orders the same day as we receive the order.

MPI provides full manufacturing operations in our Toronto plant including design, assembly, full testing and certifications in house. We have a fully trained manufacturing staff, with in house technicians and engineers available 12 hours, 5 days a week to aid customers with design selection and technical issues.

With continuous product development at our R&D lab we have implemented a Six Sigma philosophy with Lean manufacturing for continuous improvements. These continuous advancements translates to leading edge products with the best delivery for our customers.

Call MPI anytime you need Melt Pressure Transducer or Transmitter guidance or quick delivery of custom made products.



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