

**GT72HP / GT76HP - REPLACEMENTS (No Wiring Changes)**



**GT72HP  
GT76HP**

mercury free  
**Hg**  
Replace with



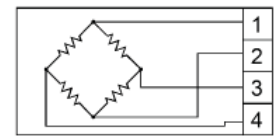
**MPI**



**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**	
<b>MK72HP (0.5%)</b>	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*	
<b>MK72HP (0.5%)</b>	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 <sup>2</sup>	
										700 KG	0-700 Kg/cm <sup>2</sup>	

**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

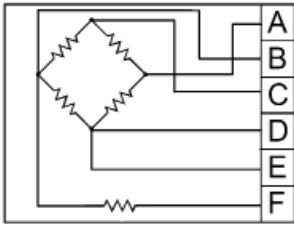
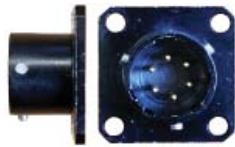
**TEMPERATURE**

**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)

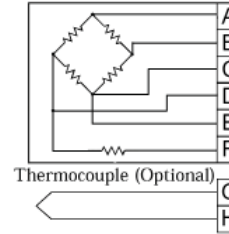
**D6 - 6pin Dynisco**



A (+) Output (Si+)  
 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
	94	"T" Type			Custom lengths available	
	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