

**GT72 / GT76 - REPLACEMENTS (No Wiring Changes)**



**GT72  
GT76**



**Replace with**



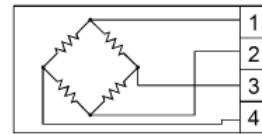
**MPI**



**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**	
<b>MK72</b> (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*	
<b>MK76</b> (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 <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

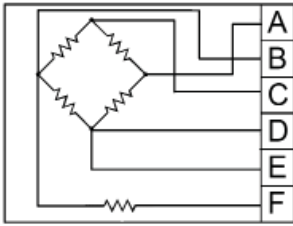
**TEMPERATURE**

**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**

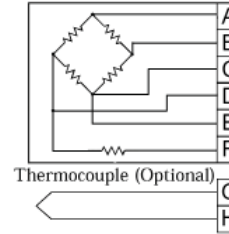
**Measuring Sensor:** 350ohm Wheatstone Bridge  
**Output:** nominal 3mV/V  
**Internal Shunt Cal:** +/-0.2%  
**Zero Balance:** +/-0.5% of Full Scale  
**Excitation:** 7-12VDC (recommend 10VDC)

**D6 - 6pin Dynisco**



- 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