



MELT PRESSURE TRANSDUCERS & TRANSMITTERS

300 Industrial Drive, Grand Island, NY 14072 USA
Tel. (716)775-8830 • Fax (716)775-8020 • sales@gp50.com • www.gp50.com

APPENDIX A - WIRING CODES

100, 200, 300 Melt Pressure Series with standard PTIH-10-6P connector

	Series (output)		Mating connector	Series (output)		Mating connector
	100 (mV/V)	200 (Vdc)	A-CA1ABAPAAxx*	300 (mA)	300Z (mA)	A-CA3ABAPAAxx*
A	+ Signal	+ Signal	Red	+ Exc. / Sig.	+ Exc. / Sig.	Red
B	- Signal	- Signal **	Black	- Exc. / Sig.	- Exc. / Sig.	Black
C	+ Excitation	+ Excitation	White	NC	NC	
D	- Excitation	- Excitation	Green	NC	NC	
E	80% cal	80% cal	Blue	80% cal	NC	Blue
F	80% cal	80% cal	Brown	80% cal	NC	Brown
Case	Case GRD	Case GRD	Shield	Case GRD	Case GRD	Shield

* "xx" = cable length in feet, enter 10, 25, 50, 75 or 100 as required

**Jumpered internally to pin D standard, unless ordered with option "QR" Universal power supply or "QI" Isolated output

400 Melt Pressure Series (mA/Hart) with standard PTIH-10-6P connector

	Standard		Shunt cal option		Temperature output options			
	Series	Mating connector	Series / option	Mating connector	Series / option	Mating connector	Series / option	Mating connector
	400	A-CA4AAAPAAxx*	400/ME	A-CA4AAAPMExx*	400/NE or QF	A-CA4AAAPNExx*	400/JA	A-CA4AAAPJAxx*
A	+ Exc. / Sig.	Red	+ Exc. / Sig.	Red	+ Exc. / Sig. P	Red	+ Exc. / Sig. P	Red
B	- Exc. / Sig.	Black	- Exc. / Sig.	Black	- Exc. / Sig. P	Black	- Exc. / Sig. P	Black
C	NC		NC		NC		NC	
D	NC		NC		+ Exc. / Sig. T	Orange	+ RTD	Orange
E	NC		80% cal	Blue	- Exc. / Sig. T	Blue	- RTD	Blue
F	NC		80% cal	Brown	NC		- RTD	White
Case	Case GRD	Shield	Case GRD	Shield	Case GRD	Shield	Case GRD	Shield

* "XX" = cable length in feet, enter 10, 25, 50, 75 or 100 as required

NC = No Connection

P = pressure 4-20mA loop

T = Temperature 4-20mA loop

100, 200, 300 Melt Pressure Series with option CC, PC02E-12-8P connector

	Series (output)		Mating connector	Series (output)		Mating connector
	100 (mV/V)	200 (Vdc)	A-CC1ABAPAAxx*	300 (mA)	300Z (mA)	A-CC3ABAPAAxx*
A	+ Excitation	+ Excitation	White	+ Exc. / Sig.	+ Exc. / Sig.	Red
B	+ Signal	+ Signal	Red	- Exc. / Sig.	- Exc. / Sig.	Black
C	- Excitation	- Excitation	Green	NC	NC	
D	- Signal	- Signal **	Black	NC	NC	
E	80% cal	80% cal	Blue	80% cal	NC	Blue
F	80% cal	80% cal	Orange	80% cal	NC	Brown
G	NC	NC		NC	NC	
H	External Cal	External Cal	Brown	NC	NC	
Case	Case GRD	Case GRD	Shield	Case GRD	Case GRD	Shield

* "xx" = cable length in feet, enter 10, 25, 50, 75 or 100 as required

**Jumpered internally to pin C standard, unless ordered with option "QR" Universal power supply or "QI" Isolated output

400 Melt Pressure Series (mA/Hart) with option CC, PC02E-12-8P connector

	Standard		Shunt cal option		Temperature output options			
	Series	Mating connector	Series / option	Mating connector	Series / option	Mating connector	Series / option	Mating connector
	400	A-CC4AAAPAAxx*	400/ME	A-CC4AAAPMExx*	400/NE or QF	A-CC4AAAPNExx*	400/JA	A-CC4AAAPJAxx*
A	+ Exc. / Sig.	Red	+ Exc. / Sig.	Red	+ Exc. / Sig. P	Red	+ Exc. / Sig. P	Red
B	- Exc. / Sig.	Black	- Exc. / Sig.	Black	- Exc. / Sig. P	Black	- Exc. / Sig. P	Black
C	NC		NC		NC		NC	
D	NC		NC		+ Exc. / Sig. T	Orange	+ RTD	Orange
E	NC		80% cal	Blue	- Exc. / Sig. T	Blue	- RTD	Blue
F	NC		80% cal	Brown	NC		- RTD	White
G	NC		NC		NC		NC	
H	NC		NC		NC		NC	
Case	Case GRD	Shield	Case GRD	Shield	Case GRD	Shield	Case GRD	Shield

* "xx" = cable length in feet, enter 10, 25, 50, 75 or 100 as required

NC = No Connection

P = pressure 4-20mA loop

T = Temperature 4-20mA loop



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APPENDIX A - WIRING CODES

100X, 200X, 300X Melt Pressure Explosion Proof Series with ½ NPT M conduit with cable

Series (output) 100X (mV/V)		Series (output) 200X (Vdc)		Series (output) 300X (mA)	
+ Excitation	Red	+ Excitation	Red	+ Excitation	Red
- Excitation	Black	- Excitation	Black	- Excitation	Black
+ Signal	Green	+ Signal	White	NC	White
- Signal	White	80% cal	Blue	80% cal	Blue
80% cal	Blue	80% cal	Orange	80% cal	Orange
80% cal	Orange	Case GRD	Green	Case GRD	Green
Case GRD	Green/yellow	NC	Shield	NC	Shield

400X & 400P Melt Pressure Explosion Proof Series with ½ NPT M conduit with cable

Standard		Shunt Cal option ME		Temperature output options			
				QF & NE		JA	
+ Exc. / Sig.	Red	+ Exc. / Sig.	Red	+ Exc. / Sig. P	Red	+ Exc. / Sig. P	Red
- Exc. / Sig.	Black	- Exc. / Sig.	Black	- Exc. / Sig. P	Black	- Exc. / Sig. P	Black
NC	White	80% cal	Orange	+ Exc. / Sig. T	Orange	+ RTD	Orange
Case GRD	Green	80% cal	Blue	- Exc. / Sig. T	Blue	- RTD	Blue
NC	Shield	NC	White	NC	White	- RTD	White
		Case GRD	Green	Case GRD	Green	Case GRD	Green
		NC	Shield	NC	Shield	NC	Shield

NC = No Connection
P = pressure 4-20mA loop
T = Temperature 4-20mA loop



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APPENDIX A - WIRING CODES

M-Spike, V-Spike, C-Spike Hydraulic Pressure Series with Standard 3' Pigtail

M-Spike Series (mV/V output)				V-Spike Series (Vdc output)				C-Spike Series (mA output)			
Standard	Color	Cal option *	Color	Standard	Color	Cal option *	Color	Standard	Color	Cal option *	Color
+ Excitation	Red	+ Excitation	Red	+ Excitation	Red	+ Excitation	Red	+ Exc / Sig.	Red	+ Exc / Sig.	Red
+ Signal	Green	+ Signal	Green	+ Signal	Green	+ Signal	Green	- Exc. / Sig.	Black	- Exc. / Sig.	Black
- Signal	White	- Signal	White	- Exc. / Sig.	Black	- Exc. / Sig.	Black				
- Excitation	Black	- Excitation	Black								
		Shunt Cal	Blue			Shunt Cal	Blue			Shunt Cal	Blue
		Shunt Cal	Brown			Shunt Cal	Brown			Shunt Cal	Brown
Case GRD	Shield	Case GRD	Shield	Case GRD	Shield	Case GRD	Shield	Case GRD	Shield	Case GRD	Shield

* With Cal Option ME, 80% Shunt Cal, or GH, 100% Shunt Cal
Alternate wiring available

M-Spike, V-Spike, C-Spike Hydraulic Pressure Series with Option CA, PTIH-10-6P connector

	Series (output)	Mating connector	Series (output)	Mating connector	Series (output)	Mating connector
	M-Spike (mV/V)	A-CA1AAAAAxx*	V-Spike (Vdc)	A-CA2AAAAAxx*	C-Spike (mA)	A-CA3AAAAAxx*
A	+ Excitation	Red	+ Excitation	Red	+ Exc. / Sig.	Red
B	+ Signal	Green	+ Signal	Green		
C	- Signal	White	NC		NC	
D	- Excitation	Black	- Exc. / Sig.	Black	- Exc. / Sig.	Black
E	NC		NC		NC	
F	NC		NC		NC	
Case	Case GRD	Shield	Case GRD	Shield	Case GRD	Shield

* "xx" = cable length in feet, enter 10, 25, 50, 75 or 100 as required
Alternate wiring available

M-Spike, V-Spike, C-Spike Hydraulic Pressure Series with Option CA, PTIH-10-6P connector and Shunt Cal Option (ME, 80 % Shunt cal or GH, 80 % Shunt cal)

	Series (output)	Mating connector	Series (output)	Mating connector	Series (output)	Mating connector
	M-Spike (mV/V)	A-CA1ACAAAAxx*	V-Spike (Vdc)	A-CA2ACAAAAxx*	C-Spike (mA)	A-CA3ACAAAAxx*
A	+ Excitation	Red	+ Excitation	Red	+ Exc. / Sig.	Red
B	+ Signal	Green	+ Signal	Green		
C	- Signal	White	NC		NC	
D	- Excitation	Black	- Exc. / Sig.	Black	- Exc. / Sig.	Black
E	Shunt Cal	Blue	Shunt Cal	Blue	Shunt Cal	Blue
F	Shunt Cal	Brown	Shunt Cal	Brown	Shunt Cal	Brown
Case	Case GRD	Shield	Case GRD	Shield	Case GRD	Shield

* "xx" = cable length in feet, enter 10, 25, 50, 75 or 100 as required
Alternate wiring available

M-Spike, V-Spike, C-Spike Hydraulic Pressure Series with Option CJ, DIN 43650 Form C connector

	Series (output)	Mating connector	Series (output)	Mating connector	Series (output)	Mating connector
	M-Spike (mV/V)	A-CJAAAAAxx*	V-Spike (Vdc)	A-CJ2AAAAAxx*	C-Spike (mA)	A-CJ3ABAPAAxx*
A	+ Excitation	Red	+ Excitation	Red	+ Exc. / Sig.	Red
B	+ Signal	Green	+ Signal	Green	- Exc. / Sig.	Black
C	- Signal	White	- Exc. / Sig.	Black	NC	
⊥	- Excitation	Black	Case GRD	Shield	Case GRD	Shield

* "xx" = cable length in feet, enter 10, 25, 50, 75 or 100 as required
Alternate wiring available