



MELT PRESSURE TRANSDUCERS & TRANSMITTERS

300 Industrial Drive, Grand Island, NY 14072 USA

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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



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