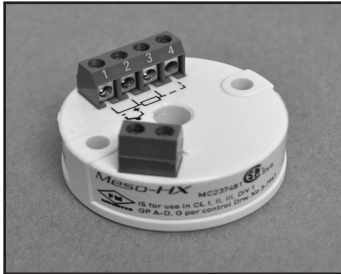


PT



HC

## Programmable Transmitter - Type PT

### FEATURES:

- Input-Output isolation - excellent filtering of voltage spikes and elimination of ground loops
- Accepts RTD and T/C inputs
- Full access to all features while in operation
- Selectable sensor break function - upscale or downscale
- Long term stability 0.1% / year
- Fast response - measuring frequency of appr. 6 per second update time down to 170 ms
- Sensor error correction can be matched
- 5 Year Warranty
- Easy to use Windows configuration software
- NAMUR compliant
- FM and Cenelec approval

## Hart® Programmable - Type HC

### FEATURES:

- Utilizes Hart® protocol for configuration and monitoring; communicates with Hart® communicator or modem
- Input-Output isolation eliminates measuring errors due to ground loops
- Long term stability 0.1% / year
- Accepts RTD and T/C inputs
- Sensor error correction compensates for known sensor errors
- Customized 50 point linearization any sensor can be matched
- Selectable sensor break function
- Full access to all features while in operation
- FM & Cenelec approvals
- NAMUR compliant
- 5 Year Warranty

## SPECIFICATIONS:

### Type PT:

### Type HC:

Input RTD* and Resistance	3,4-wire connection	3,4-wire connection
Pt100 ( $\alpha=0.00385$ )	-200 to +1000°C / -328 to +1832°F	-200 to +1000°C / -328 to +1832°F
Pt1000 ( $\alpha=0.00385$ )	-200 to +200°C / -328 to +392°F	-200 to +200°C / -328 to +392°F
Input Thermocouples	E, J, K, N, R, S, T	E, J, K, N, R, S, T
Input Voltage	-10 to +500mV	-10 to +500mV
Sensor failure	User definable output	User definable output
Adjustments - Zero	Any value within range limits	Any value within range limits
Pt100, Pt1000	10°C / 18°F	10°C / 18°F
T/C, mV	2mV	2mV
Output	4-20 / 20-4 mA	4-20 / 20-4 mA
Operating temperature	-40 to +85°C / -40 to +185°F	-40 to +85°C / -40 to +185°F
Galvanic isolation	1500 VAC, 1 min	1500 VAC, 1 min
Power supply	8.0 to 30 VDC	12 to 30 VDC
Intrinsic safety	Cenelec: EEx ia IIC T4-T6 ATEX: II 1 G FM: Class I-III, Div. 1, Gr.A-D	Cenelec: EEx ia IIC T4-T6 ATEX: II 1 G FM: Class I-III, Div. 1, Gr.A-D, G
Accuracy	± 0.1% of temperature span	± 0.1% of temperature span

\* Consult factory for other RTDs

**To order:** Indicate the code letter or value for each part of the ordering code. For factory configuration specify option FC. The transmitter will be programmed for the specified range and sensor type. The user can not change the programmed features without the factory supplied communications cable. To order the communications cable (only one on the PT required regardless of the number of transmitters) specify part number 701PRX0001.

Type	Range	Sensor Input	Head Options	Options
PT HC	Specify in F or C i.e. 0-200F	J, K, N, E, T, R, S, Pt 100 Pt 1000	0 No Head CA Cast Aluminum CI Cast Iron CSS Cast Stainless Steel FTA Flip Top Aluminum EPA Explosion Proof Aluminum EPAA Explosion Proof Aluminum ATEX EPS Explosion Proof Stainless Steel EHA Explosion Proof Aluminum EHI Explosion Proof Iron (see catalog pages A5 and A6 for specifications)	FC Factory Configured FW Four Wire RTD LPI Loop Powered Indicator (see page 34) CC Communications Cable (required to configure PT)

