



MP82000 Series Head Mounted 2-wire 4 to 20mA Programmable Temperature Transmitters

TEMPERATURE & PROCESS INSTRUMENTS INC

Mp82710H HART® Protocol Head Mounted Programmable 2-Wire 4 to 20mA Temperature Transmitter

Features

- ▶ Microprocessor-Based, HART® Protocol
- ▶ Universal Input - Thermocouples, RTD's, millivolts and Ohm
- ▶ Field Programmable with optional Programming Kit and PC Software
- ▶ Fully-Isolated and Linearized
- ▶ **ATEX IS Safety Approval Standard**
- ▶ High Accuracy 0.1%
- ▶ Small Size (1.7" dia. x 1.1"H)

For more information visit our web site at:

www.tnp-instruments.com/mp82700h_hart_protocol_programable_transmitter.html



Mp82710 Head Mounted Programmable 2-Wire 4 to 20mA Temperature Transmitter

Features

- ▶ Universal Input - Thermocouples, RTD's, millivolts and Ohm
- ▶ Field Programmable with optional Programming Kit and PC Software
- ▶ Fully-Isolated and Linearized
- ▶ **ATEX IS Safety Approval Standard**
- ▶ RFI/EMI-Immune
- ▶ High Accuracy 0.1%
- ▶ Small Size (1.7" dia. x 1.1"H)

For more information visit our web site at:

www.tnp-instruments.com/mp82700_programmable_temperature_transmitter.html



Mp82830-T Series Programmable Head Mounted Thermocouple Linearized Temperature Transmitter 2-Wire 4 to 20mA Output

Features

- ▶ Programmable for 5 Thermocouple Types Input
- ▶ Field Programmable with optional Programming Kit and PC Software
- ▶ Fully-Isolated and Linearized
- ▶ RFI/EMI-Immune
- ▶ High Accuracy 0.1%
- ▶ Small Size (1.7" dia. x 1.1"H)

For more information visit our web site at:

www.tnp-instruments.com/mp82800_programable_transmitter.html



Mp82830-R Programmable RTD Input Head Mounted 2-Wire 4 to 20mA Temperature Transmitter

Features

- ▶ Pt100, Pt250, Pt500, Pt1000, Ni100, Ni500 and Ni1000 RTD Input
- ▶ Field Programmable with optional Programming Kit and PC Software
- ▶ Fully-Isolated and Linearized
- ▶ RFI/EMI-Immune
- ▶ High Accuracy 0.1%

For more information visit our web site at:

www.tnp-instruments.com/mp82800r_rtd_programmable_head_mounted_transmitter.html



TX Series Head Mounted 2-wire 4 to 20mA Programmable Temperature Transmitters

TxlsoPack-USB Isolated and Linearized Programmable Thermocouple and RTD 2-Wire 4 to 20mA Temperature Transmitter

Features

- ▶ Accepts Thermocouples J, K, T, E, N, R, S, B and 2,3 or 4 wire Pt100 RTD's
- ▶ Isolated 1000 Vac for 1 minute between input and output
- ▶ Linearized 2-Wire Loop powered 4 to 20 mA or 20 to 4 mA output
- ▶ Cold junction compensation for thermocouples
- ▶ USB micro-B port allows direct PC connection for configuration
- ▶ Optional USB Cable and Windows configuration software
- ▶ Power supply: 12 to 35 Vdc
- ▶ Working temperature: -20 to +75°C (-4 to 167°F)
- ▶ Sensor break detection according to NAMUR NE43 recommendations
- ▶ Dimensions: 44 mm x 24 mm D x H



For more information visit our web site at:

www.tnp-instruments.com/txisopack-usb-temperature-transmitter.html

TxBLOCK-USB Linearized Programmable Thermocouple and RTD 2-wire 4 to 20mA Temperature Transmitter

Features

- ▶ Programmable for Thermocouples Types J, K, T, E, N, R, S, B and Pt100 and Pt1000 RTD'
- ▶ Linearized 2-Wire Loop powered 4 to 20 mA or 20 to 4 mA output
- ▶ Cold junction compensation for thermocouples
- ▶ Cable resistance compensation on 3 or 4 wires Pt100 connection
- ▶ USB micro-B port allows direct PC connection for configuration.
- ▶ Optional USB Cable and Windows configuration software
- ▶ Power supply: 10 to 35 Vdc
- ▶ RTD Typical Accuracy: $\pm 0.1\%$ for Pt100 and Pt1000
- ▶ Thermocouple and mV Typical Accuracy: $\pm 0.1\%$
- ▶ Temperature effect: Smaller than $0.16\%/25^{\circ}\text{C}$
- ▶ Working temperature: -40 to +85°C (-40 to 185°F)
- ▶ Sensor break detection according to NAMUR NE43 recommendations
- ▶ Dimensions: 43.5 mm x 20.5 mm D x H



For more information visit our web site at:

www.tnp-instruments.com/txblock-usb-temperature-transmitter.html

MP88100 Series Din Rail Mounted 2-wire 4 to 20mA Programmable Temperature Transmitters

Mp88710H HART® Protocol Din Rail Mounted Programmable 2-Wire 4 to 20mA Temperature Transmitter

Features

- ▶ Microprocessor-Based, HART® Protocol
- ▶ Universal Input - Thermocouples, RTD's, millivolts and Ohm
- ▶ Field Programmable with optional Programming Kit and PC Software
- ▶ Fully-Isolated and Linearized
- ▶ **ATEX IS Safety Approval Standard**
- ▶ High Accuracy 0.1%
- ▶ Small Size (1.7" dia. x 1.1"H)

For more information visit our web site at:

www.tnp-instruments.com/mp88700h_din_rail_hart_transmitter.html



Mp88710 Series Din Rail Mounted Programmable 2-Wire 4 to 20mA Temperature Transmitter

Features

- ▶ Universal Input - Thermocouples, RTD's, millivolts and Ohm
- ▶ Field Programmable with optional Programming Kit and PC Software
- ▶ Fully-Isolated and Linearized
- ▶ **ATEX IS Safety Approval Standard**
- ▶ RFI/EMI-Immune
- ▶ High Accuracy 0.1%
- ▶ Small Size (1.7" dia. x 1.1"H)

For more information visit our web site at:

www.tnp-instruments.com/mmp88700_din_rail_transmitter.html



Mp88810 Series Programmable Din Rail Mounted Thermocouple and RTD Linearized Temperature Transmitter 2-Wire 4 to 20mA Output

Features

- ▶ Universal Input - Thermocouples, RTD's, millivolts and Ohm
- ▶ Field Programmable with optional Programming Kit and PC Software
- ▶ Fully-Isolated and Linearized
- ▶ RFI/EMI-Immune
- ▶ High Accuracy 0.1%
- ▶ Small Size (1.7" dia. x 1.1"H)

For more information visit our web site at:

www.tnp-instruments.com/mp88800_din_rail_transmitter.html



Mp88810R Programmable Din Rail Mounted 2-Wire 4 to 20mA Temperature Transmitter Pt100 RTD Input

Features

- ▶ Pt100 RTD Input
- ▶ Field Programmable with optional Programming Kit and PC Software
- ▶ Fully-Isolated and Linearized
- ▶ RFI/EMI-Immune
- ▶ High Accuracy 0.1%

For more information visit our web site at:

www.tnp-instruments.com/mp88800r_din_rail_transmitter.html

