

Pyragon Loop Isolator

- Signal Powered CMOS Circuitry
- Precise Duplication of Input Signals
- 4–20 or 10–50 mA, Same Unit
- High Common Mode Rejection
- 1500 VRMS Isolation
- Mounts on Bulkhead or in 3" Conduit Box

▼ **10AI**

Provides the Necessary Signal Isolation for Noisy Process Circuits

If your process signals are influenced by ground loops, high common mode noise, or other interference, you need the Transmation Model 10 Auto-Isolator. Requiring no separate power supply, Auto-Isolator operates efficiently from input signal current, and precisely retransmits the current applied to the input with an accuracy of $\pm 0.1\%$ of span.

Usable with milliamp signal ranges of 4–20, 10–50, or other ranges between 4 and 50 mA. The instrument can be bulkhead-mounted or installed in a 3-inch cast conduit box. A trim potentiometer, accessible through the instrument's top plate, permits precise adjustment of current transfer as a function of load resistance up to 500 ohms at 20 mA, and 250 ohms at 50 mA.



SPECIFICATIONS

Input:	4–20 mA, 10–50 mA, or other spans within range of 4–50 mA
Output Ratings:	4–20 mA with loads from 0–500 ohms 10–50 mA with loads from 0–250 ohms
Accuracy:	$\pm 0.1\%$ of span
Size/Weight:	2.95" diameter, 1.88" high/6 oz

ORDERING INFORMATION

10AI	Model 10 Auto-Isolator
10AI-EXP	Model 10 in Explosion Proof Housing

Pyragon Universal Temperature Transmitters

- Configurable for Eight T/Cs, 12 RTDs, Millivolts, Ohms
- Unmatched Programmability: Input Type, Range, Zero, Span, Linear Output, Engineering Units; Calibration Runs
- Exceptionally Economical: Reduces Inventory and Maintenance Costs
- Built for Reliability: RFI Protected, Isolated, Environmentally Tough, Five-Year Warranty

SPECIFICATIONS

Input Types	
Thermocouple:	Types J, K, T, E, R, S, N, B
RTD:	Pt DIN 43760 (50, 100, 200, 500 Ω); Pt JIS C 1604 (100 Ω); Pt Burns 0.003902 α (100, 200, 500 Ω); Ni Bristol's 7NA (110 Ω); Ni Minco (120 Ω); Cu Minco (10 Ω); Cu China 0.00428 α (50 Ω)
mV:	-100 to + 100 mV
Resistance:	0 to 1000 Ω
Accuracy:	$\pm 0.05\%$ of span ± 1 digit
Input Span Limits:	Any span within range limits
Input Resolution:	0.1°, 1 μ V, 0.005 Ω
Output Range:	4 to 20 mA, calibrated; 3.7 to 22 mA, maximum
Output Resolution:	0.002 mA
RTD Excitation Current:	200 μ A, typical
Temperature Effect	
T/C and mV:	$\pm 0.2 \mu$ V/ $^{\circ}$ C max $\pm 0.005\%$ of input reading/ $^{\circ}$ C
RTD and Ω :	$\pm 0.002 \Omega$ / $^{\circ}$ C max $\pm 0.005\%$ of input reading/ $^{\circ}$ C
Loop Supply Voltage:	13V + (load resistance x 20 mA), min; 48V, max
Size	3.10 x 1.75 x 3.77" HWD



2800T

ORDERING INFORMATION

2800T	Universal Temperature Transmitter, Digital Display (NI FM Approved)
2800T-EXP	2800T in Explosion Proof Housing
2850T	2800T with HART Protocol
100665-651	32 mm DIN Rail Adaptor–2800T
100665-652	35 mm DIN Rail Adaptor–2800T