DIN rail temperature transmitter

HART REGISTERED

CE RoHS REACH COMPLIANCE ISO 9001 EMPRESA CERTIFICADA 3 YEARS WARRANTY EXPORTED TO MORE THAN 60 COUNTRIES HART COMMUNICATION PROTOCOL

TxIsoRail-HRT

✓ Compatibility with **worldwide HART® devices**
✓ Standard supervision with **standard software**
✓ Full **configuration** through same **two-wire loop**
✓ **Galvanic isolation** against surges

The HART® temperature transmitter TxIsoRail-HRT is fully compatible with HART® Certified devices worldwide. Its great differential is the total configuration through the two 4-20 mA current loop wires, which means more features for device configuration and monitoring. This feature allows interactions with the device remotely, eliminating the need to remove the device from the plant to change configuration, for example.
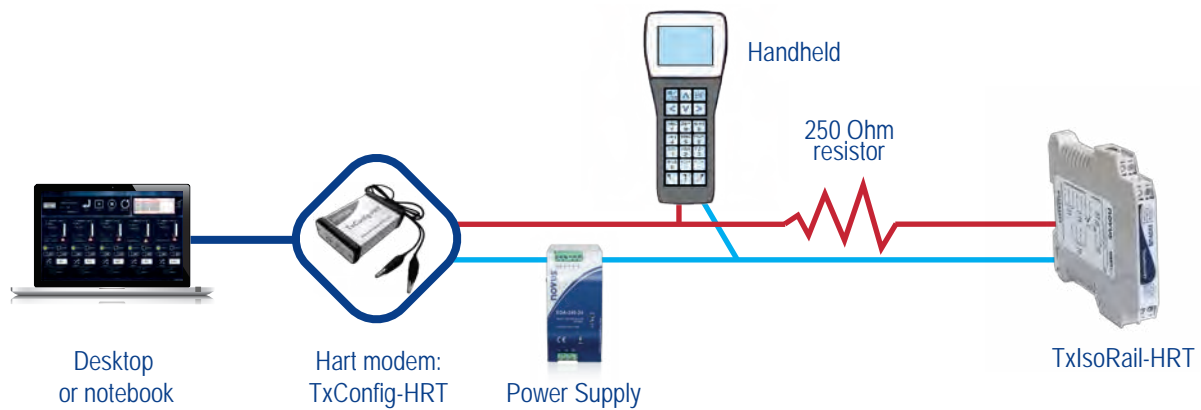
TxIsoRail-HRT combines the proven quality of HART® certification with the robustness of NOVUS devices, as it has electrical isolation between input and output, supporting voltage surges up to 1.5 kVrms. By using a worldwide known protocol with more than 40 million field instruments supporting HART® technology, NOVUS' temperature transmitter TxIsoRail-HRT enables the use of standard HART® configuration and supervision software that provides flexibility to users.

Hart modem:
TxConfig-HRT

TxIsoRail-HRT

Desktop
or notebook

Handheld

COMMUNICATION FLEXIBILITY

NOVUS
We Measure, We Control, We Record

Technical specifications

Input Type	J, K, T, N, R, S, B, E, Pt100, Pt1000, NTC and 0-50 mV	
Accuracy	Typical: Pt1000 / mV: 0.07 % span Pt100: 0.08 % span T/C: 0.07 % span ±1 ℃ (1.8 °F) NTC: 0.2 ℃ (0.36 °F)	Maximum: Pt1000 / mV: 0.15 % span Pt100: 0.15 % span T/C: 0.15 % span ±1 ℃ (1.8 °F) NTC: 0.45 ℃ (0.81 °F)
Output Type	4-20 mA	
Output Resolution	0,25 µA	
Thermal Drift	< 0.05 % / 25 ℃ (77 °F)	
Isolation Input-Output	1,5 kVrms	
Electric Protection	Reverse Polarity	
HART® Version	HART V7, compatible with HART V5	
Configuration Interface	Through TxConfig-HRT adapter or HART® certified Handheld	
Configuration Software	TxConfigII or software HART® certified	
Approvals / Regulations	CE, NAMUR NE43, RoHS, Reach, HART®	
Electromagnetic Compatibility	CISPR 11, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6 and EN 61000-4-8	
Operating Conditions	-40 to 85 ℃ (-40 to 185 °F) / 0 to 90% RH	
Power Supply	4-20 mA Loop Powered (8.5 - 36 Vdc)	
Dimensions	114 mm x 99.5 mm (4.49 in x 3.91 in)	
Enclosure	ABS UL94-HB	
Format / Mounting	35 mm (TS35) DIN Rail	

Point-to-point network

Desktop or notebook

Hart modem: TxConfig-HRT

Power Supply

Handheld

250 Ohm resistor

TxIsoRail-HRT

Multi-drop network

Desktop or notebook

I/O module

Handheld

TxIsoRail-HRT

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