Novus Temperature Transmitters

omni INSTRUMENTS

CE RoHS REACH COMPLIANCE ISO 9001 EMPRESA CERTIFICADA 3 YEARS WARRANTY EXPORTED TO MORE THAN 60 CONTRIES

✓ Wide range of **sensor types**
✓ Fully **configurable**
✓ **Robustness** and **compliant** with approvals
✓ Field calibration **fine tuning**
✓ Noise **immunity**

Easy programmable and powerful high-accuracy devices, the NOVUS portfolio of temperature transmitters accepts several types of sensors– thermocouples, Pt100, Pt1000, NTC and 0-50 mV signal in one-only-model, with linearized analog output and configurable measurement range. Any transmitter can be supplied with preconfigured customer parameters and accredited calibration certificate according to ILAC recognition. Compliant with leading approvals and standards, it provides the safe reliability for industrial environment.

For pricing or any further information, please contact Omni Instruments Ltd.

omni INSTRUMENTS
Measurement and data acquisition solutions

Contact Details:
Tel: +44 1382 443000
Email: info@omni.uk.com

Website: www.omniinstruments.co.uk

Mailing Address: Unit 1, 14 Nobel Road, Wester Gourdie Industrial Estate, Dundee, DD2 4UH.

TECHNICAL SPECIFICATIONS

	Head Mount Type				Din Rail Type		
	TxMiniBlock	**TxBlock-USB-RTD**	**TxBlock-USB**	**TxIsoPack**	**TxRail-USB**	**TxIsoRail**	**TxIsoRail-HRT**
Transmitter Type	Pt100 only Programmable Range	Pt100 only Programmable Range	Programmable Universal	Isolated Programmable Universal	Programmable Universal	Isolated Programmable Universal	Isolated Programmable Universal HART Protocol
Accuracy	0.2%	0.14%	Pt100 / mV: 0.2% T/C: 0.15% ±1 °C NTC: 0.7%	Pt100 and Voltage: 0.2% Thermocouple: 0.7%	Pt100 / mV: 0.2 % T/C: 0.15% ±1 °C NTC: 0.7%	Pt100, mV and mA: 0.2% Thermocouple: 0.2% ±1 °C	Pt100 / mV: 0.15% T/C: 0.15% ±1 °C NTC: 0.3%
Input Type	Pt100	Pt100	J, K, T, N, R, S, B, E, Pt100, Pt1000, NTC and 0-50 mV	J, K, T, N, R, S, B, E, Pt100 and 0-50 mV	J, K, T, N, R, S, B, E, Pt100, Pt1000, NTC and 0-50 mV	J, K, T, N, R, S, B, E, Pt100, 0-50 mV, 0-10 V, 0-20 mA and 4-20 mA	J, K, T, N, R, S, B, E, Pt100, Pt1000, NTC and 0-50 mV
Output Type	4-20 mA or 20-4 mA	4-20 mA or 20-4 mA	4-20 mA or 20-4 mA	4-20 mA or 20-4 mA	4-20 mA (or 20-4 mA) or 0-10 V (or 10-0 V)	4-20 mA or 20-4 mA	4-20 mA
Range	-200 to 650 °C	-200 to 650 °C	See manual for all types	See manual for all types	See manual for all types	See manual for all types	See manual for all types
USB Configuration	Through TxConfig adapter	Micro-B type	Micro-B type	Mini-B type	Micro-B type	Through TxConfig adapter	Through TxConfig-HART adapter
Configuration Software	TxConfig	TxConfig II	TxConfig II	TxConfig	TxConfig II	TxConfig	TxConfig
Approvals / Regulations	CE, NAMUR NE43, RoHS, Reach	CE, NAMUR NE43, RoHS, Reach	CE, NAMUR NE43, RoHS, Reach	CE, NAMUR NE43, RoHS, Reach	CE, NAMUR NE43, RoHS, Reach	CE, NAMUR NE43, RoHS, Reach	CE, NAMUR NE43, RoHS, Reach, HART
Operating Conditions	-40 to 50 °C (-40 to 122°F) 0 to 90% RH	-40 to 85 °C (-40 to 185 °F) 0 to 90% RH	-40 to 85 °C (-40 to 185 °F) 0 to 90% RH	-20 to 75 °C (-4 to 167 °F) 0 to 90% RH	-40 to 85 °C (-40 to 185 °F) 0 to 90% RH	-40 to 85 °C (-40 to 185 °F) 0 to 90% RH	-40 to 85 °C (-40 to 185 °F) 0 to 90% RH
Power Supply	4-20 mA Loop Powered (12-35 Vdc)	4-20 mA Loop Powered (10-35 Vdc)	4-20 mA Loop Powered (12-35 Vdc)	4-20 mA Loop Powered (12-35 Vdc)	4-20 mA Loop Powered (10-35 Vdc)	4-20 mA Loop Powered (12-35 Vdc)	4-20 mA Loop Powered (8.5-36 Vdc)
Dimensions	34 mm x 18 mm (1.33 in x 0.71 in)	43.5 mm x 20.5 mm (1.71 in x 0.81 in)	43.5 mm x 20.5 mm (1.71 in x 0.81 in)	44 mm x 24 mm (1.73 in x 0.94 in)	114 mm x 99.5 mm (4.49 in x 3.91 in)	77 mm x 72 mm (3.03 in x 2.83 in)	114 mm x 99.5 mm (4.49 in x 3.91 in)
Enclosure	ABS	ABS UL94-HB	ABS UL94-HB	ABS	ABS UL94-HB	ABS UL94-HB	ABS UL94-HB
Format / Mounting	Smal Head Mount	Head Mount	Head Mount	Head Mount	35 mm (TS35) DIN Rail	35 mm (TS35) DIN Rail	35 mm (TS35) DIN Rail

Models		
	8806040406	TxMiniBlock 4-20 mA
	8806071406	TxBlock-USB-RTD
	8806000410	TxBlock-USB 4-20 mA
	8807000000	TxIsoPack
	8806037306	TxRail-USB
	8806030306	TxIsoRail 4-20 mA
	8806030380	TxIsoRail 0-10 Vcc
	8808016100	TxIsoRail-HRT

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