

▶ Highly versatile
for excellent life
cycle performance

Now with wireless
connectivity through
NFC and Bluetooth!



JMS 8H Universal temperature transmitter

The JMS 8H is a modern temperature transmitter developed to meet the highest requirements on flexibility, accuracy and reliability. A universal transmitter compatible with RTD, thermocouples, voltage and potentiometer sensors to offer high flexibility and reduce the number of installed product variants. The 8H is available with ATEX, IECEx and cFMus certifications, making it a safe choice for a wide range of applications.

The JMS 8H supports wireless communication via NFC® (Near-field communication) and Bluetooth® which makes it possible to configure and monitor the transmitter through a smartphone or a tablet.



JMS 8H

High reliability for any application

The JMS 8H is a highly reliable and robust temperature transmitter. External influences such as ambient temperature, vibrations up to 10 g, moisture and EMC interference have minimal influence on the measurement result.

Smart features to facilitate your daily work

Packed with our most advanced technology, the 8H gives you better control over your process. Smart features such as password protection, simulated output, data logging, runtime counter and customized linearization, facilitates your daily work.

Wireless configuration and monitoring

Configure your 8H wirelessly via NFC[®] by using the new app INOR Connect. The fast communication between the transmitter and the smartphone makes it possible to copy and paste a configuration to as many transmitters as you like and it only takes seconds.

Add the Bluetooth Modem and you can configure and monitor your 8H also via Bluetooth. Thanks to the extended range that Bluetooth offers you can monitor the transmitter remotely.

Technical data

Input	Universal for RTD, TC, mV and ohm
Output	4...20 mA
Sensor error	NAMUR NE43
Adjustments - Zero point	Any value within range limits
Adjustments - Minimum span	10 °C / 18 °F or according to the sensor
Error compensation	Sensor and system error correction
Ambient temperature	-40...+85°C / -40...+185°F
Humidity	0...98% RH (non-condensing)
Vibration	IEC 60068-2-6, 10 g
EMC	EN 61326-1 and EN 61326-2-3
Typical accuracy	Max. $\pm 0.08\text{K}$ or $\pm 0.08\%$ of span
Long-term stability	Max. drift $\pm 0.02\%$ of span/year
Adjustable filtering level	0.15 to 75 s (default 0.9 s) [3-wire RTD]
Galvanic isolation	1500 VAC
Ex-classifications	ATEX: II 1G Ex ia IIC T6...T4 Ga IECEX: Ex ia IIC T6...T4 Ga cFMus: IS CL I DIV 1 GP ABCD T4...T6 Cl I Zn 0 AEx/Ex ia IIC T4...T6 Ga
Power supply	Standard version: 8...36 VDC Ex-version: 8...30 VDC
Configuration	PC-Software or App
Wireless connectivity	NFC [®] and Bluetooth [®] *

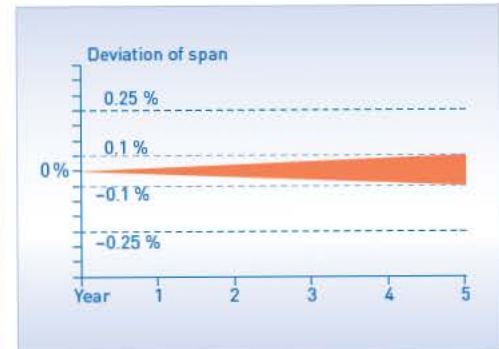
*Bluetooth[®] communication is only supported together with Bluetooth Modem

Contact

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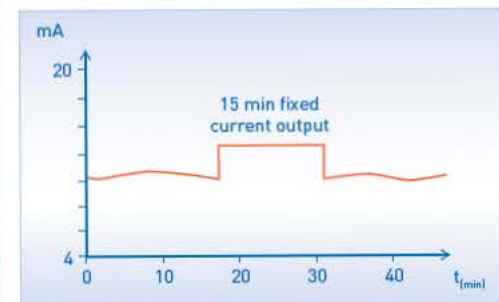
High accuracy over time

Minimal drift of $\pm 0.1^\circ\text{C}$ or $\pm 0.1\%$ of span over 5 years reduces calibration requirements.



Easier commissioning

Fixed current output during a maximum time of 15 min for easier commissioning and troubleshooting.



Bluetooth[®] communication via Bluetooth Modem

Monitor and configure your transmitter even in the tightest mounting locations.

