

Compact Temperature Transmitters

TxMini and TxMini-M12



• Solution for sites with space restrictions

• 3-wire Pt100 and Pt1000

• Configuration with USB interface

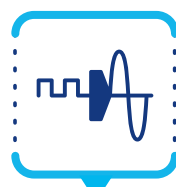
• 4 to 20 mA output or Modbus RTU communication



**M12
CONNECTOR**



**COMPACT
SIZE**



**5 µA: ANALOG
OUTPUT
RESOLUTION**



**MOBILE AND PC
CONFIGURATOR
SOFTWARE**



**OUTPUT
FORCING AND
DIAGNOSTICS**

The **TxMini** family of temperature transmitters have compact dimensions and practical connections. They are available without a connector or with an M12 connector. They deliver the measured temperature via 4 to 20 mA signals or an RS485 serial interface via the Modbus-RTU protocol. They are easily integrated into existing networks for communication with PLCs or SCADA systems.

The **TxMini** is configured using **SigNow** software via the USB interface. For the RS485 versions, configuration is also done via Modbus commands, generated automatically from a SCADA system.

Versatile and compact, these transmitters are the ideal solution for adapting sensors to any environment.

Technical Specifications

	TxMini 4-20 mA	TxMini RS485
Input	3-wire Pt100 or Pt1000	3-wire Pt100
Output	4 to 20 mA or 20 to 4 mA, 2-wire type, loop-powered	2-wire RS485 with Modbus RTU protocol
Output Resolution	2 µA	14 bits
Power Supply	8 to 35 Vdc	7 to 40 Vdc, consumption < 10 mA
Measuring Range	-200 to 650 °C (-328 to 1202 °F)	-200 to 600 °C (-328 to 1112 °F)
Typical Accuracy	0.1 % @ 25 °C (77 °F)	
Response Time	1.6 s	2 s
Operating Temperature	-40 to 85 °C (-40 to 185 °F), 0 to 90 % RH	
Configuration	SigNow software + TxConfig-USB configuration interface	SigNow software + USB-i485 converter or Modbus commands
Housing Material	Polyamide	
Certifications	CE Mark	
Internal Protection Against Polarity Inversion of the Supply		