Temperature Transmitter
TxBlock-USB

The **TxBlock-USB** is a high precision head mounted temperature transmitter. The universal input reduces inventory while the native USB port facilitates ease off configuration, calibration and online monitoring in the lab or in the field.

USB port for configuration and calibration

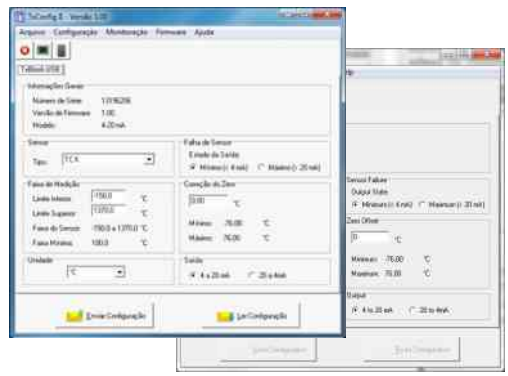
Features

- Universal input accepts Thermocouples J, K, T, E, N, R, S, B and Pt100, Pt1000 and NTC RTD with programmable working range
- Loop powered 4-20 mA output
- Linearized 4 to 20 mA or 20 to 4 mA output
- Cold junction compensation for thermocouples
- Cable resistance compensation on 3 or 4 wires Pt100 connection
- USB micro-B port allows direct PC connection for configuration. USB Class CDC
- Free Windows configuration software
- Power supply: 12 to 30 Vdc
- RTD Typical Accuracy: ± 0.08% for Pt100 and Pt1000 and ± 0.3 °C for NTC
- Thermocouple and mV Typical Accuracy: ± 0.1%
- Temperature effect: Smaller than 0.16% / 25°C
- Working temperature: -40 to +85 °C (-40 to 185 °F)
- Sensor break detection according to NAMUR NE43 recommendations
- Dimensions: 43.5 mm x 20.5 mm D x H

Configuration Software

The USB port makes configuration easy. By using an ordinary USB Micro-B cable and **NOVUS** free configuration software the Transmitter can be totally configured and calibrated.

The **TxConfig II** software, required to communicate with the **TxBlock-USB** is available for download at www.novusautomation.com.



Mobile Configuration App

TxDroid Config mobile communication application allows compatible smartphones to configure, calibrate and monitor the **TxBlock-USB** during field operation.

- Universal Thermocouple and RTD input
- High accuracy and temperature stability
- USB port for configuration and calibration