

# SMART TEMPERATURE TRANSMITTERS - TxMiniBlock

## INTRODUCTION

**TxMiniBlock** is a cost-effective programmable RTD temperature transmitter for head mounting.

With a unique microprocessor based technology it features full PC configuration of range and calibration which is achieved by means of a convenient interface cable connected to a USB port from a PC.

Working range, output calibration and protection can be easily set by using the **TxConfig** Windows configurator software.

This transmitter is specially convenient for being mounted in small inexpensive heads.



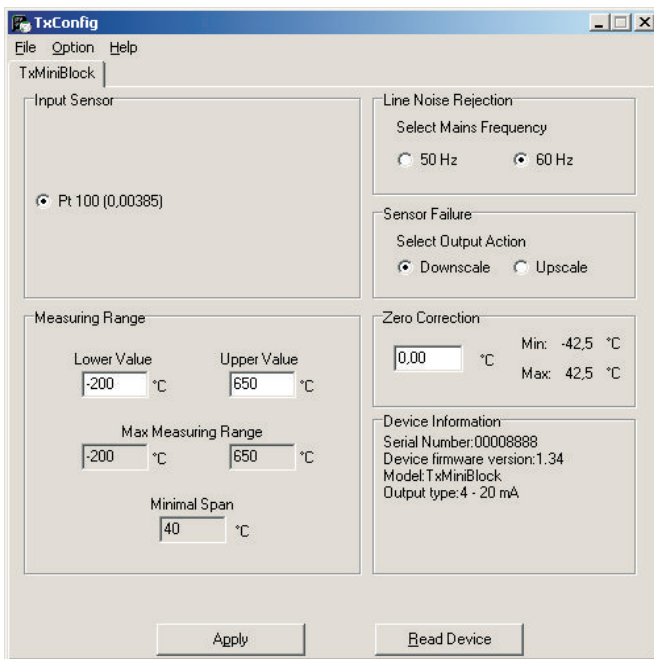
## FEATURES

**TxMiniBlock** for RTD is part of a family of head mount and DIN rail mount 4-20mA temperature transmitters for the most common temperature applications.

One single model can be configured to accept several measuring ranges.

## CONFIGURATION

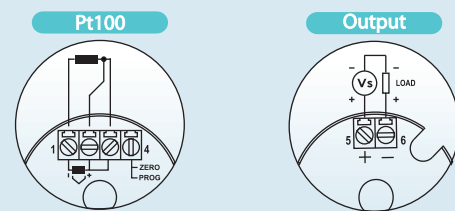
**TxMiniBlock** configuration is performed by using the **TxConfig** software and **TxConfig USB** interface connected to the PC.



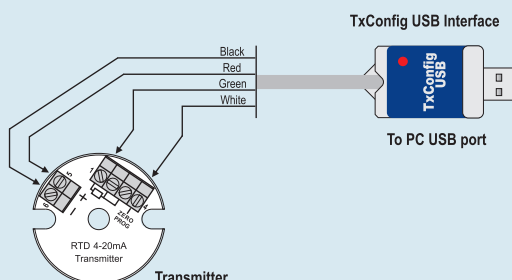
## SPECIFICATIONS

- Input: Pt100 RTD
- Maximum range: -200 to 650 °C / -328 to 1202 °F
- Minimum span: 40 °C
- Two-wire loop powered 4-20 mA output
- Linearized 4 to 20 mA or 20 to 4 mA output
- 2 or 3-wire Pt100 with linearization
- Windows configurator (optional). Configuration with a PC via **TxConfig** interface
- Manual zero (offset) adjustment can be done by means of a wire jumper simulating a keyboard
- Digital filter can be set for best 50 or 60 Hz performance
- Power supply: 12 to 30 Vdc
- Max. Load [ohms]:  $(V_{dc} - 12) / 0.02$
- Accuracy:  $\pm 0.2\%$  of span
- Output resolution: 4  $\mu$ A
- Temperature effect: 0.003% SPAN/°C
- Operating temperature: -40 to +85 °C (-40 to 185 °F)
- Sensor failure protection: programmable burnout upscale or downscale
- Dimensions: 34 mm (Diam.) x 18 mm (H, including bornes)

## ELECTRICAL CONNECTIONS



## TxConfig CONNECTIONS



## DIMENSIONS

