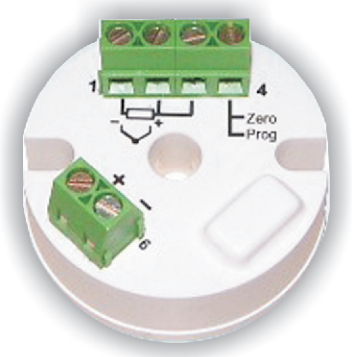
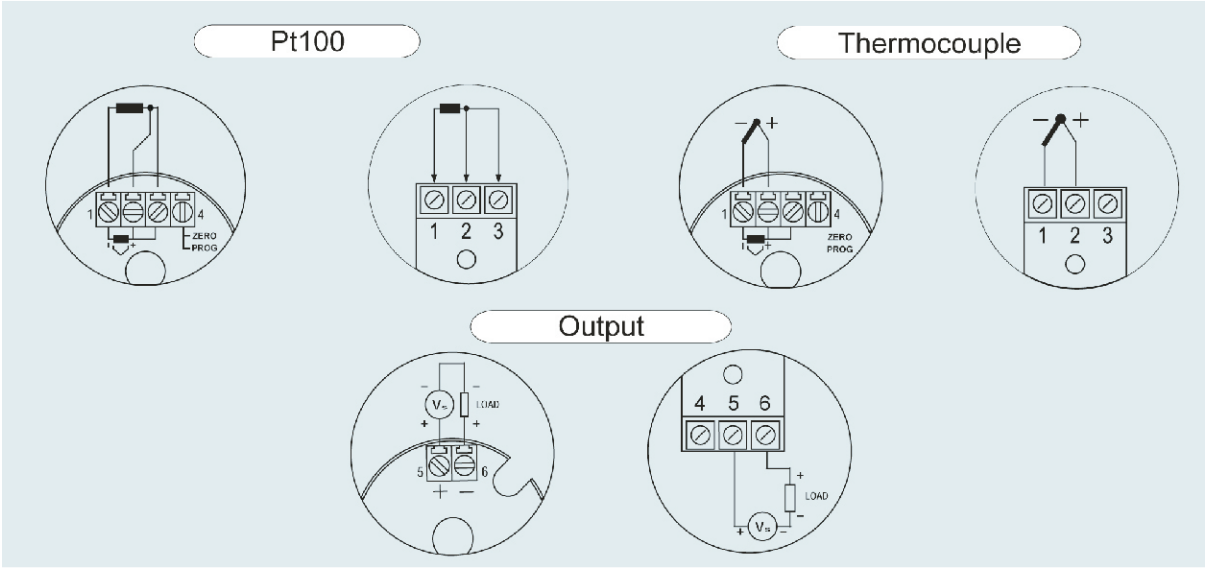
Head Mounted Temperature Transmitter TxBlock

TEMPSENS INSTRUMENTS

Model	**Programmable Microprocessor based Temperature Transmitter TxBlock**
Features	TxBlock comprehends a family of head mount 4-20mA temperature transmitters for the most common temperature applications.One single model can be configured to accept several thermocouple types and Pt100 RTDs. Programmable input: Thermocouples type J, K, T, E, N, R, S, and Pt100 RTD with programmable working range. 2-wire loop powered 4-20 mA output. Linearized 4 to 20 mA or 20 to 4 mA output for t/c and Pt100. Cold junction compensation for thermocouples, 2 or 3-wire Pt100 with linearization. Windows configurator (optional). Configuration with a PC via an RS232 cable.Manual zero (offset) adjustment can be done by means of a wire jumper simulating a keyboard for the TxBlock,Digital filter can be set for best 50 or 60 Hz performance
Power supply	12 to 30 Vdc.
Accuracy	Pt100 and 0 to 50 mV ±0.2% full scale
Temperature effect	0.003% SPAN/°C
Working temperature	-40 to +85°C (-40 to 185°F).
Sensor failure protection	Programmable burnout upscale or downscale.
Dimension	44 mm (Diam.) x 25 mm (H including bornes)



INPUT	RANGE	MIN SPAN
• Thermocouple K	0 to 1370°C / 32 to 2500ºF	100ºC
• Thermocouple J	0 to 760°C / 32 to 1400ºF	100ºC
• Thermocouple R	0 to 1760°C / 32 to 3200ºF	400ºC
• Thermocouple S	0 to 1760°C / 32 to 3200ºF	400ºC
• Thermocouple T	0 to 400°C / 32 to 752ºF0 to	100ºC
• Thermocouple N	1300°C / 32 to 2372ºF	100ºC
• Thermocouple E	0 to 720°C / 32 to 1328ºF	100ºC
• Pt100	-200 to 650°C / -328 to 1202ºF	40ºC
• Voltage	0 to 50mV	5mV