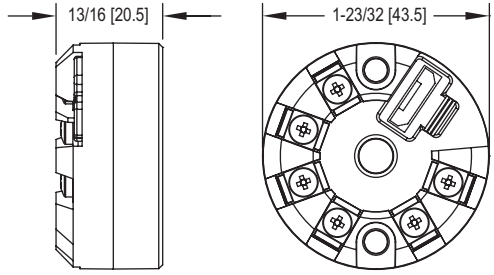
MODEL TBU-00

Rometec srl - www.rometec.it - info@rometec.it - Rometec srl - www.rometec.it - info@rometec.it

TEMPERATURE TRANSMITTER

Field Selectable, Universal Input, In-Head Mounting



The **Model TBU-00 Temperature Transmitter** is a high precision temperature transmitter designed to easily mount in most temperature sensor instrument enclosures. The universal input reduces inventory while the micro-USB port facilitates easy configuration, and calibration in the lab or in the field. The versatile TBU model allows for selection and configuration of input type, measurement range, and calibration. The output can be set as either direct 4-20 mA, or reverse 20-4 mA, through easy to use configuration software.

FEATURES/BENEFITS

- Configurable measurement range
- Standard temperature sensor head enclosure mounting
- Pt100 connection for 2, 3, or 4 wires

APPLICATIONS

- Process applications where a 4-20 mA signal is required
- Food processing equipment
- Boiler equipment
- Refrigeration equipment

MODEL CHART	
Model	**Description**
TBU-00*	Universal input temperature transmitter with customizable measurement ranges
*TBU-00 FREE downloadable configuration software available at www.dwyer-inst.com	

SPECIFICATIONS
Input: Thermocouples J, K, R, S, T, N, E, and B; 2, 3, or 4 wire Pt100 RTD, 2 or 3 wire Pt1000 RTD, 2 wire NTC thermistor, or 0-50 mV voltage. **Output:** Linearized 4-20 mA, 2 wire or 20-4 mA loop powered. **Transmitter Type:** 2, 3, or 4 wire. **Temperature Limits:** -40°F to 185°F (-40 to 85°C). **Power Requirements:** 10-35 VDC. **Accuracy:** See chart below. **Temperature Drift:** < ±0.16% / 25°C. **Response Time:** 1.6 s, typical. **Weight:** 1.4 oz (40 g). **Agency Approvals:** CE.
Note: Factory set to Pt100 Ω RTD, 0 to 100°C, direct acting

ACCESSORIES	
Model	**Description**
A-709	NEMA 4X aluminum transmitter enclosure
UHH-CBL2	USB to micro-USB cable

ACCURACY CHART		
Input Type	**Temperature Range**	**Accuracy (Typical)**
Thermocouples and mV	Configured with software	±0.1% FS
Pt100/ Pt1000 RTDs	-328 to 1202°F (-200 to 650°C)	±0.13% FS
	-238 to 752°F (-150 to 400°C)	±0.1% FS

Rometec srl - www.rometec.it - info@rometec.it - Rometec srl - www.rometec.it - info@rometec.it