

TEMPERATURE TRANSMITTERS • TRANSMITTERS

Head-Mounted RTD / Thermocouple Transmitter

II-TT-002

RTD (PT100) or thermocouple input



A transmitter in the connection head converts the sensor signal to a 4–20 mA loop right at the measuring point.

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ISSUED

24 October 2026

Head-Mounted RTD / Thermocouple Transmitter

Indiana catalogue ID **II-TT-002** Temperature Transmitters

A transmitter in the connection head converts the sensor signal to a 4–20 mA loop right at the measuring point.

INPUTS	OUTPUT	RANGE (K-TYPE CARD)
PT100 · thermocouple	4–20 mA	0–1300 °C

01 Overview

A head-mounted transmitter sits in the terminal head of a temperature sensor and conditions its signal before it travels to the control system — much better than sending a millivolt or resistance signal down a long cable.

Two listings are grouped: a PT100 sensor with range options of 100, 200 and 500 °C and a choice of outputs, and a universal-input transmitter for thermocouples and PT100 RTDs with 4–20 mA output. The universal listing's spec card reads K-type, 0–1300 °C.

WHAT IDENTIFIES IT

- PT100 sensor assembly with M20 × 1.5 thread named
- Universal thermocouple and RTD input on one listing
- 4–20 mA output; 0–10 V and 0–5 V named on the PT100 listing
- Head mounted at the sensor

02 Views



PRIMARY VIEW Head-Mounted RTD / Thermocouple Transmitter — overall view
Product photograph



ALTERNATE VIEW Head-Mounted RTD / Thermocouple Transmitter — view 2
Product photograph



ALTERNATE VIEW Head-Mounted RTD / Thermocouple Transmitter — view 3
Product photograph



ALTERNATE VIEW Head-Mounted RTD / Thermocouple Transmitter — view 4
Product photograph

03 Principal data

AS STATED IN THE MANUFACTURER LISTING

Inputs	PT100 RTD; thermocouple (universal-input listing)
Output	4–20 mA (both); 0–10 V and 0–5 V on the PT100 listing
Accuracy (spec card)	0.5 % F.S.

The full set of stated values, variants and open points is in the specification document for this product.

04 Applications and industries

APPLICATIONS

- Process temperature loops
- Thermowell measurements
- Any point where the sensor head needs a 4–20 mA signal

INDUSTRIES

TO QUOTE THIS WE NEED

- Sensor input (PT100, thermocouple type)
- Temperature range
- Output required
- Insertion length and process connection
- Quantity

CONFIRM BEFORE ORDERING

- Photographs, figures and wording come from the manufacturer's product listing for this family and may describe a sibling configuration; the datasheet for the ordered model is confirmed with the quotation.
- The 0–1300 °C figure is a K-type thermocouple range on one spec card; it does not apply to the PT100 listing.
- The “30 mm” and “50 mm” in the PT100 title are probably lengths; confirm their meaning.

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QUOTATION

List the product, ID and quantity; add process conditions. We reply with a quotation.

Manufacturer product listing (saved October 2026). Figures are reproduced as listed; spec-card values and title values are shown separately where they differ. Figures are reproduced from the source documentation; where a source states two different values both are shown. Nothing on this sheet is a certification, and no hazardous-area approval is implied unless a certificate is supplied with the quotation. INDIANA SALES (INDIANA INSTRUTECH) · info@indianainstrutech.com · issued 24 October 2026.