

TEMPERATURE TRANSMITTERS • TRANSMITTERS

Integrated Temperature Transmitter, Explosion-Proof Housing

II-TT-003

PT100 / PT1000 / K thermocouple



Probe and transmitter in one body, in a housing the listings describe as explosion-proof.

ENQUIRIES

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ISSUED

24 October 2026

Integrated Temperature Transmitter, Explosion-Proof Housing

Indiana catalogue ID **II-TT-003** Temperature Transmitters

Probe and transmitter in one body, in a housing the listings describe as explosion-proof.

INPUTS	RANGE (SPEC CARDS)	ACCURACY
PT100 · PT1000 · K	–200 to 500 °C	0.5 % F.S.

01 Overview

An integrated temperature transmitter puts the sensor and electronics in a single assembly: one thing to install, no separate head, no sensor cable to route. Housings in blue and yellow are shown in the photographs.

Two listings are grouped: a high-temperature stainless thermocouple transmitter with PT100/PT1000 input, and an integrated unit with PT100 or K-type input. Both give 4–20 mA output and carry the same spec card.

WHAT IDENTIFIES IT

- One-piece probe and transmitter
- PT100, PT1000 and K-type inputs named
- 4–20 mA output
- Stainless-steel construction named on one listing

02 Views



PRIMARY VIEW Integrated Temperature Transmitter, Explosion-Proof Housing — overall view
Product photograph



ALTERNATE VIEW Integrated Temperature Transmitter, Explosion-Proof Housing — view 2
Product photograph



ALTERNATE VIEW Integrated Temperature Transmitter, Explosion-Proof Housing — view 3
Product photograph



ALTERNATE VIEW Integrated Temperature Transmitter, Explosion-Proof Housing — view 4
Product photograph

03 Principal data

AS STATED IN THE MANUFACTURER LISTING

Inputs	PT100, PT1000, K thermocouple (across the listings)
Output	4–20 mA
Range (spec cards)	–200 to 500 °C
Accuracy (spec cards)	0.5 % F.S.
Construction	Stainless steel (one listing)

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

04 Applications and industries

APPLICATIONS

- Hazardous-area temperature points (certificate to be confirmed)

- Pipework and vessel temperature

INDUSTRIES

☐ Chemical☐ Petrochemical☐ General industry

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.
- Explosion-proof wording appears in both titles; no certificate or marking is stated.
- Confirm which input suits which housing; the titles name several inputs between them.

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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.