

ETS Process Indicator

[PT-100, J, K, R, S, B Type Thermocouple]



The ETS Programmable Process Indicator Series is a microcontroller-based digital instrument engineered for fast, accurate measurement and control of process parameters in industrial environments. Designed to deliver high reliability and ease of use, this series accepts a wide range of inputs including Pt-100, Thermocouples, and 4–20 mA signals. Its rugged construction, bright LED display, and precision signal processing make it an ideal solution for process industries demanding long-distance readability, superior accuracy, and reliable performance. Built to withstand environmental stresses and mechanical vibrations, the ETS Process Indicators ensure consistent results and minimal maintenance downtime.

KEY FEATURES:

-  High Precision
-  Power Tolerance
-  Input Versatility

-  Superior Accuracy
-  Easy Programming
-  Temperature Compensation

-  Rugged Enclosure
-  Software Recalibration
-  Flexible Connectivity

Process Indicator **SPECIFICATIONS**



Parameter	Details
Models	ETS Process Indicator
Input Types	PT-100, J, K, R, S, B Type Thermocouple, 4–20 mA
Input Impedance	< 10 MΩ (only for T/C input)
Display	999.9 RED LED 7-segment
Display Accuracy	±0.25% of full scale ±1 digit
Least Count	As per selected range (customizable)
Power Supply	230 V AC ±10%, 50 Hz with grounding
Power Consumption	6 VA
Transmitter Supply (4–20 mA only)	24 V DC @ 30 mA
Ambient Temperature Range	0 to 55°C
Humidity	< 90% RH, non-condensing
Temp. Compensation	Built-in up to 55°C
Accuracy Deviation	±0.002%/°C (temp), ±0.001%/V (supply)
Sensor Fault Indication	OPEN
Programming	Via 4-key membrane keypad (default password: 134)
Mounting	Hanging type
Enclosure	Mild Steel CRCA with powder coating
Termination	Screwed terminals for up to 2.5 mm² wire
Recalibration	Through keypad/software
Optional Output A	Isolated 4–20 mA retransmission (10-bit, 0.016 mA steps, Max 500 Ω load)
Optional Output B	Isolated RS-485 / RS-232, Modbus RTU Protocol

