

## Dual DIN Rail Temperature Transmitter

### TXDIN70



- ✓ Provides Two-Channel Transmitters or Signal Isolators (4 to 20 or 0 to 20 mA)
- ✓ Programmable Input Types and Ranges with the Optional External Display
- ✓ DIN Rail Mounted
- ✓ Use Ungrounded Thermocouple Only
- ✓ Universal Power Supply

It provides 2 channels of configurable inputs, and supports multiple voltage, RTD, thermocouple inputs with auto reference junction compensation. Each channel has its own digital filtering and can adjust its filtering degree.

- Generates two isolated current outputs, 4 to 20 or 0 to 20 mA
- Range of retransmission output can be freely defined
- The model is DIN rail mounted. Its width is only 22.5 mm
- Can be easily configured by connecting to our E8 handset display
- Universal power supply of 100 to 240 Vac or 24 Vdc

### Specifications

#### Input Type

**Thermocouple:** K, S, R, E, J, T, B, N, WRe5-WRe26

**RTD:** Pt100, Cu50

**Linear Voltage:** 0 to 20 mV, 0 to 60 mV, 0 to 100 mV, 0 to 1V, 0.2 to 1V

#### Instrument Input Range:

**Style K:** -50 to 1300°C

**Style S:** -50 to 1700°C

**Style R:** -50 to 1700°C

**Style T:** -200 to 350°C

**Style E:** 0 to 1000°C

**Style J:** 0 to 1200°C

**Style B\*:** 0 to 1800°C

**Style N:** -50 to 1300°C

**Style WRe5%WRe26:** 0 to 2300°C

**Style Pt100:** -200 to 900°C

\* **Note:** B thermocouple obtains the measurement accuracy only at the range of 400 to 1800°C. It's measurement from 60 to 400°C is less accurate.

**Linear Input:** -9990 to 30,000 units defined by user

**Retransmission Accuracy:** 0.3% full scale  $\pm 1$  digit (including input and output error)

TXDIN70, DIN rail temperature transmitter.

TXDIN70-DISPLAY, external plug-in display.



Both shown smaller than actual size.

**Output Specification:** Can be freely defined in the range of 0 to 22 mA with maximum output voltage  $\geq 11V$

**Temperature Drift:**  $\leq 0.015\%FS/^\circ C$  (including the temperature drift of input and output)

**Electromagnetic Compatibility (EMC):**  $\pm 4$  KV/5 KHz according to IEC61000-4-4 (EFT); 4 KV according to IEC61000-4-5

**Isolation Withstanding Voltage:** Voltage between power, signal input and output terminals  $\geq 2300$  Vdc

**Power Supply:** 100 to 240 Vac, -15%, +10%/50 to 60 Hz; or 24 Vdc

**Power Consumption:**  $\leq 3W$

**Operating Ambient Temperature:** -10 to 60°C; humidity  $\leq 90\%$  RH

**Dimensions:** 100 H x 22.5 W x 100 mm D (3.9 x 0.89 x 3.9")

**Weight:** 85 g (0.18 lb)

### To Order

Model No.	Description
TXDIN70	DIN rail temperature transmitter/isolator
TXDIN70-24V	DIN rail temperature transmitter/isolator 24 Vdc
TXDIN70-DISPLAY	External plug-in display

Comes complete with operator's manual.

**Ordering Example:** TXDIN70, DIN rail temperature transmitter and TXDIN70-DISPLAY, plug-in display.