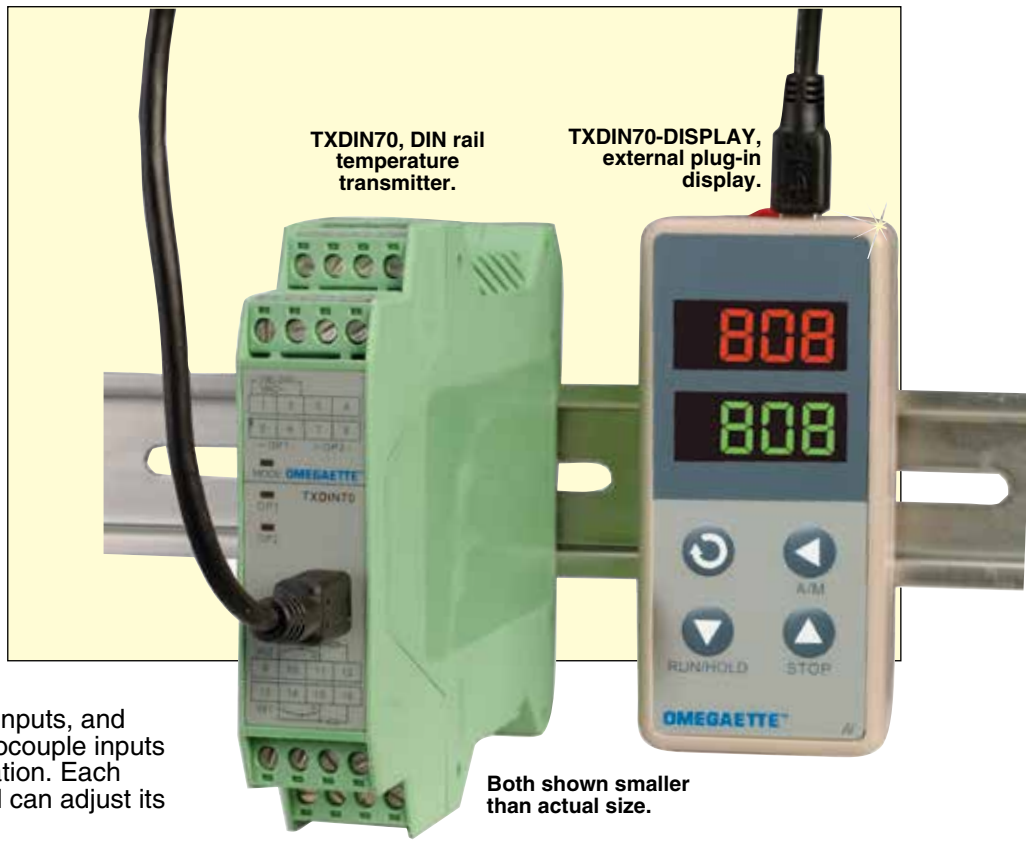
# *Dual DIN Rail Temperature Transmitter*

## 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 ±1 digit (including input and output error)

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

**Temperature Drift:** ≤0.015%FS/°C (including the temperature drift of input and output)

**Electromagnetic Compatibility (EMC):** ±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 ≥2300 Vdc

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

**Power Consumption:** ≤3W

**Operating Ambient Temperature:** -10 to 60°C; humidity ≤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.*

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