



### SALIENT FEATURES

- Single input, dual output.
- Signal conversion with isolation.
- User friendly calibration.
- 1.4 KV isolation.
- Compact size & easy maintenance.
- DIN rail mounting.



### DESCRIPTION

Electronet's series TX-20 are Signal Converter Isolators specially designed for various industrial applications in industrial automation for interfacing field signals to PLC & DCS Systems which is now very basic and critical requirement in any industry for total process automation. It can interface all types of analog inputs like RTD, Thermocouple, mV, mA. These isolators can isolate, amplify and convert input signal to high level analog signal & various current rating digital signal.

### TECHNICAL SPECIFICATIONS

Number of Inputs	: 01 No.
Input	: 1) RTD, Pt 100, Pt 200, Pt 1000 2) Thermocouple (J, K, R, S, T, B, E) 3) 0 to 20 mA DC / 4 - 20 mA DC 4) 0 to 5 V DC / 1 to 5 V DC / 1 to 10 V DC
Number of Outputs	: 02 Nos.
Output	: 1) 0 to 20 mA DC / 4 to 20 mA DC 2) 0 to 5 V DC / 1 to 5 V DC / 1 to 10 V DC 3) Frequency (0 to 10 KHz)
Range	: As per Requirement - Factory calibrated
Isolation	: 1.4 KV between Input, Output & Power Supply
Power Supply	: 1) 230 V AC, 50 Hz +/- 10% 2) 24 V DC, External
Accuracy	: Better than $\pm 0.1\%$ F. S.
Temperature Drift	: Less than 0.01% of F. S. per $^{\circ}\text{C}$ change
Response Time	: Less than 20 mSec
Enclosure	: ABS Plastic
Dimensions	: 60 mm (W) X 70 mm (H) X 110 mm (D) max.
Mounting	: DIN Rail type
Weight	: 500gm. (Approx.)
Operating Temperature	: 0 - 55 $^{\circ}\text{C}$
Humidity	: 10 to 90 % non condensing

## CODIFICATION FOR TX 20

CODE	INPUT
01	: RTD, PT 100 - 3 WIRE (RANGE PL. SPECIFY)
02	: THERMOCOUPLE (TYPE & RANGE PL. SPECIFY)
03	: VOLTAGE (RANGE PL. SPECIFY)
04	: CURRENT (RANGE PL. SPECIFY)

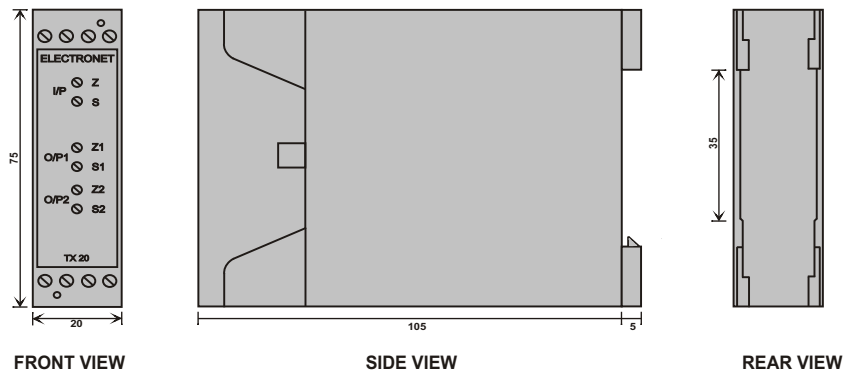
CODE	OUTPUT
01	: 0 - 20 mA DC
02	: 4 - 20 mA DC
03	: 1 - 5 V DC

CODE	POWER SUPPLY
01	: 230 V AC
02	: 24 V DC

TX 20 01 02 01

SAMPLE MODEL NUMBER

## MOUNTING DETAILS



Due to our continuous product revisions, Design, Specifications and Model Numbers are subject to change without notice.

MANUFACTURED & MARKETED BY

**ELECTRONET EQUIPMENTS PVT. LTD**  
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