

TX 00

LOOP POWERED SIGNAL ISOLATOR



Features

- Loop Powered Isolator
- Dedicated Input
- Accuracy @ 0.25% F. S.
- Din Rail Mount
- Reliable & Cost Effective System
- Compact size & Easy Maintenance
- Signal Conversion with Isolation

Description

Electronet series TX-00 are loop powered Isolators with signal conversion specially used for various industrial applications. It can interface all types of inputs like RTD, Thermocouple, Voltage & provide isolated mA output. The compact design gives elegant aesthetic & also saves inner space required in panel to mount the instrument.



Technical Specifications

No. of Input	01 No.
No. of Output	01 No.
Type of Input	Dedicated
	1) RTD (PT-100 / PT-200 / CU-53) 2 or 3 Wire 2) Thermocouple
	3) Current (0-20 mA / 4-20 mA) 4) Current (4-20 mA, 0-20 mA)
Type of Output	Isolated 4 to 20 mA DC
Accuracy	1) For R, S & B type Thermocouple, better than $\pm 0.5\%$ of F. S.
	2) For rest inputs, better than $\pm 0.25\%$ of F. S.
Isolation	1.4 KV between Input & Loop
Power Supply	24 V DC Loop Powered
Response Time	< 500 mSec
Temperature Coefficient	$\pm 0.01\%$ per $^{\circ}\text{C}$
Enclosure	ABS, Plastic
Dimensions	75mm(H) X 23mm(W) X 110mm(D)
Mounting	Din Rail Type
Weight	250 gms
Operating Conditions	Temperature -20 to 70 $^{\circ}\text{C}$ / Humidity 5 to 95% non condensing

Ordering Information Sample Order Code : TX-00-A1

Parameter			Code	Description
A	Input	A1	4 to 20mA	
		A2	0 to 5V	
		A3	1 to 5V	
		A4	0 to 10 KHz	
		A5	RTD	

Parameter			Code	Description
A	Input	A6	Thermocouple	
		A7	Current	
		A8	Voltage	
		A9	Other	

Note : ▪ Due to our continuous product revisions, design specification and model numbers are subject to change without notice.

▪ Accuracy defined at Lab Conditions.

▪ For other requirement please consult factory.

▪ This product is meant for laboratory/Process application only and not for custody transfer application.

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