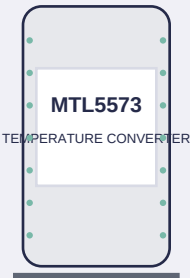


AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Eaton MTL5573
MTL 5500 Temperature Converter



CHANNELS	INPUT	OUTPUT	SUPPLY
1	THC / mV / RTD	4-20 mA	20-35 V dc

Eaton MTL5573 is a Single-channel temperature converter for thermocouple, mV and 2-, 3- or 4-wire RTD inputs, providing a 4-20 mA output to a safe-area load.

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VERIFIED PRODUCT IDENTITY

Product model	MTL5573
Product family	MTL 5500 isolating interface units
Number of channels	One
Signal source location	Zone 0 IIC / Division 1 Groups A-D
Thermocouple inputs	J, K, T, E, R, S, B, N and XK
mV input	-75 to +75 mV
RTD inputs	2-, 3- or 4-wire; Pt, Cu and Ni types listed by Eaton
Resistance input	0 to 400 ohm

Source: EPSx573 Rev3 040517 / INM 5500 Rev 18. Verify the complete model and current controlled manufacturer revision.

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TECHNICAL DATA

Output range	4 to 20 mA nominal into 600 ohm maximum
Supply voltage	20 to 35 V dc
Response time	500 ms typical
Maximum current consumption	50 mA at 24 V
Power dissipation	1.2 W at 24 V
Configuration	PCS45 software with PCL45USB serial interface

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OFFICIAL APPLICATIONS

- Hazardous-area thermocouple temperature measurement
- Hazardous-area 2-, 3- or 4-wire RTD temperature measurement
- Low-level mV signal conversion to a 4-20 mA safe-area load
- Temperature input linearisation, ranging, monitoring and sensor-failure indication

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OFFICIAL DOCUMENTATION

[Manufacturer datasheet / application description](#)

[Manufacturer instruction manual](#)

AMIKON PRODUCT SUPPORT

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