

DATA SHEET

Part N°DS TB 22-1737

MIC-22 **TERMINAL BLOCK**

MIC-737 2 Fully Isolated Analog Inputs - Thermocouples

The module provides 2 fully isolated analog input channels for accurate temperature measurement using thermocouple sensor types B, E, J, K, R, S, T, T526 and HC.

Specifications:

Isolation: - 1000VDC (optionally 1500VDC) to the system
 - 2000V channel to channel

Overvoltage protection: ± 30 V

Nonlinearity 0,06%

Resolution 12 bit

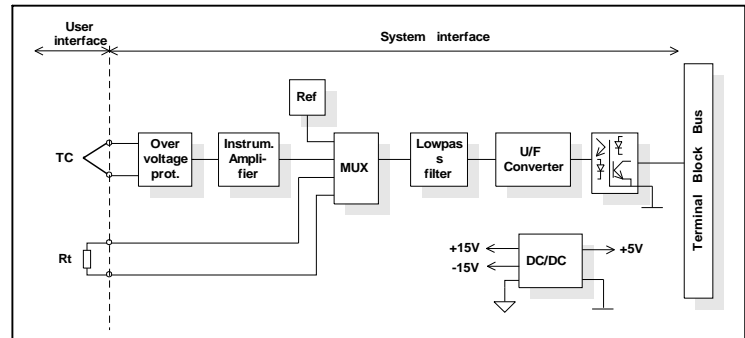
Open sensor detection

Conversion time: 240 ms

Input Impedance: min 10 M Ω

Power consumption: 250 mW per channel

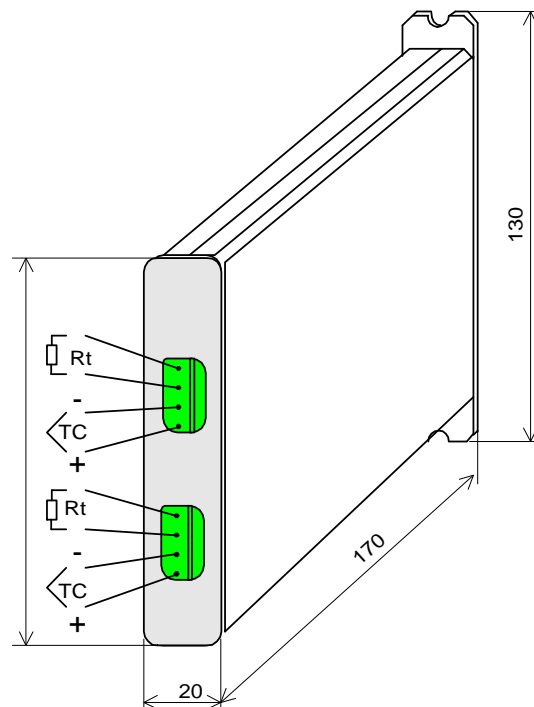
Weight: 150 g



Input channel schematic

TC	Range °C	Accuracy °C
B	0...1820	2,5
E	-270...1000	1,5
HC	-50...800	1
J	-210...770	1,4
K	-270...1372	2
R	-50...1768	2
S	-50...1768	2
T	-270...400	1
T526	0...2320	2,5

Temperature sensors for Cold junction (2wire): KTY 10-6 (SIEMENS)



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ENVIRONMENTAL CONDITIONS:	REFERENCE	EXTREME	TRANSPORTATION
Temperature range	20°C to 25°C	0°C to 50°C	-30°C to 65°C
Humidity (%RH)	10% to 60%	10% to 90%	5% to 95%