

TC-IXR061, TK-IXR061**Table 6-10** RTD Input, 6-Point Module (Isolated)

Parameter	Specification
Number of Points	6 galvanically isolated channels
Signal Input Ranges	1-487 Ω , 2-1000 Ω , 4-2000 Ω , 8-4020 Ω
Sensors Supported	Resistance 1-487 Ω 100, 200, 500,1000 Ω Platinum, $\alpha = 0.00385$ 100, 200, 500,1000 Ω Platinum, $\alpha = 0.003916$ 120 Ω Nickel, $\alpha = 0.00672$ 100, 120, 200, 500 Ω Nickel, $\alpha = 0.00618$ 10 Ω Copper
Resolution 487 Ω , 100 Ω Pt, 100 Ω Ni, 10 Ω Cu 1000 Ω , 200 Ω Pt, 200 Ω Ni 2000 Ω , 500 Ω Pt, 500 Ω Ni 4020 Ω , 1000 Ω Pt	16 bits across each input range 7.7 milliohm/bit 15 milliohm/bit 30 milliohm/bit 60 milliohm/bit
Accuracy	0.1% FS @ 25°C
Module Update Rate for All Channels	50 milliseconds
Settling Time to 5% of Full Scale	Less than 80 milliseconds
Open Wire Detection Open Wire Detection Time	Out of Range reading reported Less than 5 seconds
Common Mode Rejection	120 dB @ 60 Hz, 100 dB @ 50 Hz
Channel Bandwidth	DC to 15 Hz (-3 db)
Normal Mode Noise Rejection	60 dB @ 60 Hz
RFI Immunity	Error of less than 2.0% of FS at 10 V/m, 27 to 1000 MHz
Input Offset Drift with Temperature	10 milliohms/°C typical
Gain Drift with Temperature	50 ppm/°C typical
Power Dissipation	4.3 W max
Backplane Current	See Module Power Consumption Data, page 46.
Isolation Voltage Channel to channel User to system	100% tested at 2546 VDC for 1s 100% tested at 2546 VDC for 1s
Connection Terminal Blocks	TC-TBNH, 20-position terminal block