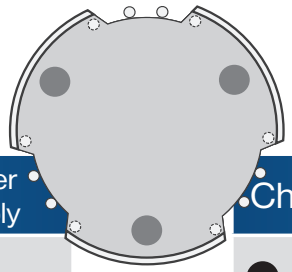
Power Supply	Channel 1	Channel 2	Channel 3
+ 15 Volts	Output	Output	Output
- 15 Volts	High Input	High Input	High Input
Common	Low Input	Low Input	Low Input



Channel 4	Channel 5	Channel 6	Power Supply
Output	Output	Output	Common
High Input	High Input	High Input	
Low Input	Low Input	Low Input	

Channel 7	Channel 8	Channel 9	Power Supply
Output	Output	Output	Common
High Input	High Input	High Input	
Low Input	Low Input	Low Input	

Modular Thermocouple Amplifier Quick Guide

Michigan Scientific Corporation

Power Requirements

± 15 volts and a common.

It is recommended that a separate wire for signal common be added to one or more of the common terminals.

A thermocouple should be attached to the provided mating connector and plugged into the connector on the amplifier.

To see a manual of the product, visit michsci.com/manuals

The AMP-TC#-K2[1] cold junction compensates and amplifies thermocouple signals but it does not linearize the signals. The polynomials given below use raw voltage from the amplifier as the independent variable, V, and generate temperature in degrees Celsius.

[1]For amplifiers using a different thermocouple type, refer to the manual for equations
Number of channels, 1-9

T = Temperature in °C
V = Voltage from amplifier

Temperature Range: 0 °C to 100 °C

$T = 98.9V + 0.464$

Temperature Range: -100 °C to 200 °C

$T = 2.949\,V^3 - 7.916\,V^2 + 104.1\,V + 0.0289$

Temperature Range: 0 °C to 1370 °C

$T = 2.5499E\text{-}4V^6 - 1.1161E\text{-}2V^5 + 0.18766\,V^4 - 1.3957\,V^3 + 4.0742\,V^2 + 95.47\,V + 0.91578$

Linearization Formulas