MCC USB-TEMP and TC Series: Temperature and Voltage Measurement USB DAQ Devices

Part: MCC USB-TC

USB-TC: Thermocouple Measurement DAQ Device (thermocouple only)

Description:

Digilent is now a proud distributor of Measurement Computing Corporation (MCC) DAQ and data logging products. MCC is a leading supplier of data acquisition solutions that are easy-to-use, easy-to-integrate, and easy-to-support.

The USB-TC features eight, 24-bit analog inputs for precise thermocouple measurements, 2 S/s/ch sample rate, and 8 digital I/O.

The USB-TEMP features eight, 24-bit analog inputs for precise thermocouple measurements, 2 S/s/ch sample rate, and 8 digital I/O that supports thermocouple, RTD, thermistor, and semiconductor sensor types.

The USB-TEMP-AI also features eight, 24-bit analog inputs and a 2 S/s/ch sample rate. Four channels can be configured to measure various temperature sensors including thermocouples, RTDs, thermistors, and semiconductor sensors. The last four channels are capable of measuring voltage and offer the following input ranges; ±10, ±5, ±2.5, ±1.25 V. Eight digital I/O and one counter input are also provided.

Software support includes DAQami, an out-of-the-box application for data logging, visualization, and signal generation. Data can be viewed in real-time or post-acquisition on user-configurable displays. Drivers are included for the most popular applications and programming languages including Visual C++®, Visual C#®, Visual Basic®.NET, DASYLab®, LabVIEW™, MATLAB®, Linux®, and Python™.

Features:

- Eight DIFF analog inputs
- 24-bit resolution
- USB-TC: Eight thermocouple inputs (types J, K, R, S, T, N, E, and B)
- USB-TEMP: Four temperature inputs (thermocouple, RTD, thermistor, semiconductor sensor)
- USB-TEMP-AI: Four temperature inputs (thermocouple, RTD, thermistor, semiconductor sensor) plus four voltage inputs (±10 V, ±5 V, 0-10 V, 0-5 V input ranges)
- 2 S/s/ch sample rate
- Eight digital I/O
- One counter input (USB-TEMP-AI only)
- No external power required

Included:

- USB-TC, USB-TEMP, or USB-TEMP-AI
- USB cable
- Printed insert: DAQami Quick Start
- MCC packaging assembly/foam.

Software:

Prioritizing on ease of use and flexibility, MCC offers out-of-the-box software plus drivers for the most popular programming languages and applications.

Out-of-the-box software includes DAQami for data logging, visualization, and signal generation. For a more full-featured and customizable experience, DASYLab® provides real-time analysis and control, plus the ability to create custom applications without programming.

DASYLab can be purchased directly from MCC.

For maximum customization, drivers are included for Visual C++®, Visual C#®, Visual Basic®.NET, LabVIEW™, MATLAB®, Linux®, and Python™.