



## Overview

The TCMINI is a collection of thermocouple probes and components that use a standard miniature TC connector to provide a complete thermocouple data-acquisition system.

The TCMINI includes basic probe styles and lengths in common thermocouple types. It also includes bulk wire and connectors for user assembly of probes and extensions.

## Benefits and Features

- › Customized connector with Campbell Scientific branding
- › “Special Limits of Error” tolerances on accuracy to match the exceptional accuracy and temperature stability of the [TEMP 120](#)
- › Fixed lengths, custom lengths, and raw components available to facilitate all applications
- › Ensures a quality single source for TC measurement equipment when using the TEMP 120
- › Isolated thermocouple junction for measurement integrity in all applications
- › 24 AWG flexible PVC wire for easy routing in space-limited applications
- › Resistant to moisture, chemicals, and abrasions
- › Suitable for laboratory, test stand, and automotive applications

## Detailed Description

The TCMINI is a collection of Type T and Type K thermocouple probes and components that use standard miniature thermocouple connectors. These products are compatible with the [TEMP 120 thermocouple module](#) and facilitate a

complete, reliable, and easy-to-use thermocouple data-acquisition system. Pre-built sensors are available in common lengths. Complete customization is possible by purchasing bulk thermocouple cable and connectors.

## Specifications

Operating Temperature Range    -55° to +105°C

Continuous Use Temperature    105°C (220°F)

Wire Type	<ul style="list-style-type: none"> <li>› Fully color-coded conductors; individually insulated</li> <li>› 24 AWG flexible PVC "ripcord"</li> </ul>
Nominal Conductor Size	0.508 mm (0.02 in.)

Nominal Conductor Insulation Thickness	0.381 mm (0.015 in.)
Nominal Overall Size	1.27 x 2.44 mm (0.05 x 0.096 in.)
Shipping Weight	~7.5 kg/km (5 lb/1,000 ft)

For comprehensive details, visit: [www.campbellsci.com/tcmini](http://www.campbellsci.com/tcmini) 



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