



MTS FlexTemp™ TC8 Temperature Measurement Module

Features

- » Synchronized temperature data
- » Plug-and-play integration
- » Universal thermocouple compatibility
- » External module with digital communication
- » Temperature-based test monitoring
- » Flexible, compact mounting

The MTS FlexTemp TC8 is an 8-channel external temperature measurement module that connects plug-and-play with FlexTest® controllers. It supports eight thermocouple types (J, K, T, E, N, B, R, and S) and integrates directly into MTS Series 793 Station Manager with a single channel setup — making live temperature values available across MTS test software including MTS TestSuite™ and MPT™.

This single, integrated solution replaces manual workflows, simplifies complex setups, and gives your team real-time temperature monitoring — with measurable savings.

To learn more about FlexTemp TC8, explore integration options for your current FlexTest setup, or request a quote, contact your MTS representative or visit us online.

Features

- » **Synchronized temperature data.** Temperature is recorded in real time alongside all other test data. No post-test merging, no manual reconciliation, no risk of data loss.
- » **Plug-and-play integration.** FlexTemp TC8 is built to work with your FlexTest controller right out of the box — consistent with the architecture you already know.
- » **Universal thermocouple compatibility.** One hardware solution works with a wide variety of thermocouple types. No reconfiguration required when your measurement needs change.
- » **External module with digital communication.** FlexTemp TC8 lives outside the FlexTest controller as a standalone device, connecting via a single cable. That means your controller slots stay free for other test signals — and temperature channels can be expanded by adding modules without touching your controller configuration.
- » **Temperature-based test monitoring.** Temperature signals are available directly in your MTS Series 793 Station Manager, enabling event-driven decisions during live tests. This is a capability most customers don't have today.
- » **Flexible, compact mounting.**
Small footprint, compatible with standard MTS equipment. Optional magnetic mounting makes it easy to attach directly to a test frame or tabletop — no tools, no permanent installation.

Specifications

Physical Characteristics	
Characteristics	Value
Size (inches)	5.8 in x 5.9 in x 20 in
Size (mm)	148 mm x 150 mm x 51 mm
Barrel Jack Inner Diameter	2.1 mm
Barrel Jack Outer Diameter	5.5 mm
Ethernet Port Connector	RJ45

Thermocouple Operating Ranges	
Thermocouple Type	Operating Range
J	-210°C to 1200°C
K	-270°C to 1372°C
T	-270°C to 400°C
E	-270°C to 1000°C
N	-270°C to 1300°C
B	0°C to 1820°C
R	-50°C to 1768°C
S	-50°C to 1768°C

System Compatibility

- » **Compatible with all Flextest controllers**
- » **Requires 793 Version 6.4A or newer**
- » **Recommended TestSuite Version 2026.1 or newer**



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