

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

FTS SYSTEMS

FTS Systems TJ-80C-2 ThermoJet Temperature System

The FTS Systems TJ-80C-2 is a solid temperature controller, offering precise temperature management for industrial applications. It features advanced control algorithms, ensuring stable and accurate performance. Ideal for maintaining optimal temperatures in critical processes.



MODEL

FTS Systems TJ-80C-2

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

TJ-80C-2

LISTING

<https://aumictechlabs.com/products/tj-80c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The FTS Systems TJ-80C-2 is a solid temperature controller designed for industrial applications requiring precise temperature management. It employs advanced control algorithms to ensure stable and accurate performance, making it ideal for maintaining optimal temperatures in critical processes. This unit is known for its reliability and ease of use, providing a dependable solution for temperature control needs.

Features & description

From manufacturer datasheet

Features

- Temperature range $-80\text{ }^{\circ}\text{C}$ to $+225\text{ }^{\circ}\text{C}$ • Accuracy $\pm 0.1\text{ }^{\circ}\text{C}$; stability $\pm 0.5\text{ }^{\circ}\text{C}$ • Airflow 5–20 SCFM in 1 SCFM steps • Up to 49 eight-step ramp/soak recipes • RS-232 / GPIB options; data logging • Quick-release shroud; caster-mounted base

Applications

- Component and DUT thermal cycling • Military / automotive / industrial temperature stress • Localized forcing without full climatic chambers • Automated ramp-soak recipe testing

TJ80C Characteristics / Specifications

PARAMETER	VALUE
Model	TJ-80C-2
Family	FTS ThermoJet THJ80
Manufacturer	FTS Systems
Instrument Type	Air Temperature Forcing / ThermoJet System
Temperature Range	−80 °C to +225 °C
Temperature Accuracy	±0.1 °C
Temperature Stability	±0.5 °C
Temperature Settability	0.1 °C
Temperature Indication	0.1 °C
Outlet Flow	5 to 20 SCFM
Refrigeration	High-capacity two-stage mechanical (self-contained)
Air Temperature Control	Internal thermocouple
DUT Control	External thermocouple closed-loop with auto-tuning
Recipes	Up to 49 eight-step ramp/soak
Communications Options	RS-232 / GPIB
Power Config Class	208–230 V @ 60 Hz / 200 V @ 50 Hz
Arm Options	None; pneumatic head; motorized arm
Base Dimensions	21" W × 27" D × 38" H (without air delivery assembly)
Weight	425 lb (193 kg)
Mobility	Caster-mounted
Safety	Low-flow safety; EMO; resettable breaker
Shroud	Quick-release with silicone sponge seal Notes Specs from FTS ThermoJet THJ80 operator's manual. TJ-80C-2 denotes a configuration variant—confirm voltage, arm, and interface options on the unit.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Model	TJ-80C-2
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Instrument Type	Air Temperature Forcing / ThermoJet System
Temperature Range	-80 °C to +225 °C
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Temperature Settability	0.1 °C
Temperature Indication	0.1 °C
Outlet Flow	5 to 20 SCFM
Refrigeration	High-capacity two-stage mechanical (self-contained)
Air Temperature Control	Internal thermocouple
DUT Control	External thermocouple closed-loop with auto-tuning
Recipes	Up to 49 eight-step ramp/soak
Communications Options	RS-232 / GPIB
Power Config Class 1	208-230 V @ 60 Hz / 200 V @ 50 Hz
Power Config Class 2	220-230 V @ 50 Hz
Arm Options	None; pneumatic head; motorized arm
Base Dimensions	21" W × 27" D × 38" H (without air delivery assembly)
Weight	425 lb (193 kg)
Mobility	Caster-mounted
Safety	Low-flow safety; EMO; resettable breaker
Shroud	Quick-release with silicone sponge seal
Notes	
Specs from FTS ThermoJet THJ80 operator's manual. TJ-80C-2 denotes a configuration variant—confirm voltage, arm, and interface options on the unit.	

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.