



Series: MBC1-TC

Compact 1-Zone Benchtop Thermocouple Temperature Controller

FEATURES & BENEFITS

- Built-in SSR with 8 Amp Load Capacity
- Accurate Up To $\pm 0.5\%$ of Full Scale Input
- Rugged, Vented, Steel Benchtop Case Design
- Preambled, Prewired, Ready-To-Use
- Self-powered Fused Control Output
- Available In J, K or T Thermocouple Calibration

APPLACATIONS

- Laboratory Heating Blankets & Tapes
- R & D Laboratory Use
- Equipment Sterilization
- Food & Pharmaceutical Processing

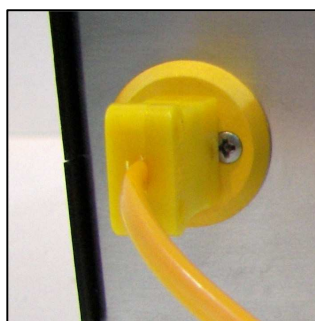


DESCRIPTION

Series MBC1 are compact Benchtop Temperature Controllers that provide accurate temperature control for a variety of laboratory heating applications. The metal enclosure is compact at only 2.6" high x 5.5" wide x 6.7" deep. The unit operates on 120VAC and consists of a high performance temperature controller with one pre-wired output. The fused 120Vac output provides up to 8 Amps to control heaters and other similar scientific and industrial equipment. Temperature is controlled by connecting any standard thermocouple. A switch on the front panel controls both power to the unit and output power. Standard features include a fused power cord and fused output receptacle. Thermocouple sensor is connected via an industry standard miniature jack located on the rear panel (Mating Connected Included).



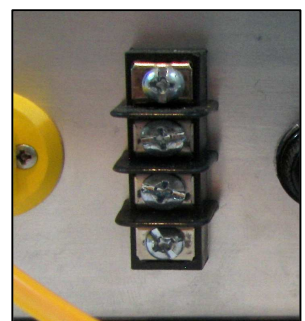
Displays Setpoint & Process



Rear Panel Sensor Jack



Fused Control Output



Alarm Relay Connection

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GENERAL SPECIFICATIONS

Temperature Accuracy: $\pm 0.5\%$ Full scale

Display: 4-digit LED

Display Resolution: $\pm 1^\circ$

Control Mode: PID Autotune

Operating Voltage: 120VAC, 50/60 Hz

Alarm Relay: 3A

Operating Temperature: 32 to 130 °F (0 to 50 °C)

Enclosure: Painted Steel Body, Aluminum Panels

Dimensions: 2.6" H x 5.5" W x 6.7" L

*Each Unit Includes Benchtop Controller,
Mating Input Connector and User Guide*



AVAILABLE MODELS

Model Number	Input Type	Control Output / Capacity	Temperature Range
MBC1-TC-J	Type-J	120Vac / 8A (SSR)	32 to 1499 °F (0 to 815 °C)
MBC1-TC-K	Type-K	120Vac / 8A (SSR)	32 to 2192 °F (0 to 1200 °C)
MBC1-TC-T	Type-T	120Vac / 8A (SSR)	-238 to 752 °F (-150 to 400 °C)

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Note: Continued product improvements make specifications subject to change without notice.
Check www.imagineinstruments.com for the latest product information and updates

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