

Model: MBC1-RTD



Compact 1-Zone Benchtop RTD (Pt100) 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
- Preassembled, Prewired, Ready-To-Use
- Self-powered Fused Control Output
- For Pt100 $\alpha=0.000385$ RTD Sensor

APPLACATIONS

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



DESCRIPTION

Model MBC1-RTD is a compact Benchtop Temperature Controllers that provides 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 Pt100 $\alpha=0.000385$ RTD Sensor. 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. RTD sensor is connected via a terminal block located on the rear panel.



Displays Setpoint & Process



Fused Power Cord



Fused Control Output



Alarm & RTD 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: 110-120VAC, 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



AVAILABLE MODEL

Model Number	Input Type	Control Output / Capacity	Temperature Range
MBC1-RTD	Pt100 $\alpha=0.000385$	120Vac / 8A (SSR)	-362 to 1112 °F (-199 to 600 °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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