

Bench Top Temperature Controller Model CT101

- Compact Portable Temperature Controller with Thermocouple Feedback Control
- Fully Wired with convenient Receptacles for Heater Output and Thermocouple
- Single Heating Output with 10 Amp relay output capacity (110 Volt)
- Uses Standard J Thermocouple
- Double Fused Circuit

The new Model CT101 is a compact bench top temperature controller that can be utilized to supply the heating and temperature controlling of a variety of laboratory accessories. The console is compact, only 5" high x 6" wide x 6" deep. It consists of a high quality Watlow controller with a 10 amp relay output. Feedback and temperature control can be accurately controlled via a standard J type thermocouple (iron-constantan). Temperature can be regulated and monitored via the LED display to +/- 1°C. The controller is normally set up to monitor in degrees C but can be modified for degrees F. A switch on the front panel controls the total power to the system and a separate switch turns off the heater power. Standard features include illuminated power switches, a 3-wire fused cord and a fused output receptacle.

The back panel of the controller contains two separate fuses, one for the total system and the second for the heater output. A 110 volt twist type receptacle provides the outlet for a wide variety of heater accessories. To modify existing heaters for this plug, a twist type plug is available. The thermocouple is attached via a standard thermocouple plug.

Accessory heater plugs & thermocouple plugs are available for connection of other heaters and J-Thermocouples.

Part No.	Description	Price
912000	Temperature Controller - Model CT101	
912000-220	Temperature Controller - 220VAC Unit	
912001	Accessory Twist Plug Connector	
912002	Thermocouple Connector	



Front View

Specifications

Power Input

- 110 Volt
- 10 amp
- 3 wire grounded circuit

Power Output

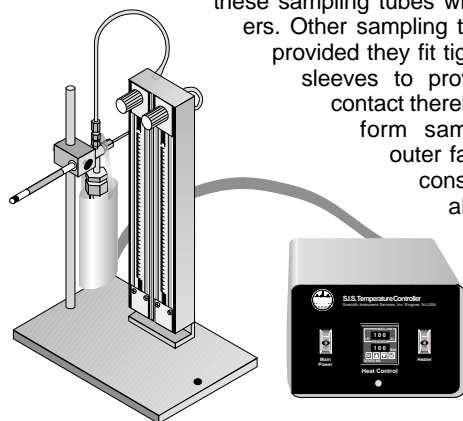
- 110 Volt
- 10 amp
- fused output

Feedback Thermocouple

- J Thermocouple

Heater Sleeves for Sample Purging System

The Heater Sleeves for the Purge & Trap System are available in two sizes for the standard sample purging system tubes supplied by S.I.S. They are designed to fit these sampling tubes with the foam breakers. Other sampling tubes can be used, provided they fit tightly into the heater sleeves to provide good surface contact thereby providing for uniform sample heating. The outer facing of the case is constructed of a new aluminized fiberglass insulated material, for a professional appearance. The heating coils inside the blanket sleeve consist of



durable, multi-stranded resistance wire that is insulated and knitted over a large surface area into the inner wall of the heater sleeve. In addition a J type thermocouple is encased inside the heater sleeve for accurate temperature measurement and for use in temperature control when used with S.I.S. temperature controller. Both the 24" heater leads and thermocouple leads are encased in a fiberglass sleeve and terminate in a 110 volt twist plug for the heater and a thermocouple plug for the thermocouple. Both of these fittings plug into the back of the S.I.S. temperature controller. A Velcro hanging strap is attached to the heater sleeve for use in attaching the blanket to the purging system. When used with the S.I.S. temperature controller temperatures can be maintained to within 2°C from room temperature to 125°C.



Part No.	Description	Size (l x w)	Voltage	Wattage	Amps	Price
783016	Heater Sleeve, 5 ml	5" x 2"	110 VAC	45 Watts	0.39	
783017	Heater Sleeve, 25 ml	6.3" x 3"	110 VAC	85 Watts	0.74	