

## Bench Top BT-1P-12.5 Temperature Controller

### Description:

The HTS/Amptek® **BT-1P-12.5** is a complete, easy to use, temperature control system for laboratory use. It will regulate a single point, 12.5 amp heater load. This versatile and economical controller incorporates microprocessor technology, *Digital Display*, *Auto Tuning PID Control* and *Solid State Relay* output.



**Easy, yet Sophisticated & Accurate**  
PID, Autotuning Microprocessor

**Versatile**

**Controls up to 12.5 amps,  
Fast switching up to .1 of a second.**

**Bright, 4-digit LED  
Display**

**Choose °C or °F,  
Choose a Sensor,  
Ramp & Soak:**

**Solid State Relay:**

**Auto-Tune** feature adjusts the control to your application's heat requirements, preventing temperature overshoot.

**All common Thermocouples and RTDs.**  
And Quickly change from °F to °C.

**Ramp to Temperature** feature allows smooth process heat application.

**Fast switching SS Relay**, ideal for Amptek heating elements, low mass and fast response with minimum overshoot.

Contact HTS/Amptek, or your representative for special configurations of this versatile benchtop controller...



### 120 Volt Configuration

The back panel of the 120 volt controller can accommodate a single 120 volt circuit with the receptacles for two heaters as shown. (parallel on the same circuit) Both Type J and Type K Thermocouples are prewired to the jacks for quick reconfiguration. Cordset has molded plug.



### 220 Volt Configuration

The back panel of the 220 volt controller can accommodate a single 220 volt circuit with the receptacle as shown. Both Type J and Type K Thermocouples are prewired to the jacks for quick reconfiguration. Unit cordset has no plug.

### General Specifications:

Controller:	Cal9300, 1/16 DIN
Accuracy:	+/- 0.25%, +/- 1 digit
Alarms:	Sel. deviation or full sc.
Alarm Display:	Controller Face
Ramping:	Ramp & Soak
Auto Tune:	Keypad initiated
Dimensions:	8" x 8" x 5-1/2"
Display:	4 digit LED, (10 mm)
Enclosure:	Coated Steel
Input Power:	120 or 220 VAC
Std Inputs, T/C:	Types J,K, Prewired
Inputs, Special:	All common T/C, RTD
Output:	12.5 Amp SS Relay
Optional Comms:	RS-232c or RS-485
Setpoint:	3 Key tactile keypad
Weight:	6 lbs.

[www.heatingtapes.com](http://www.heatingtapes.com)

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