



Genlab Universal Bench Top PID Station – BTC2000



Precision Temperature Control — Made Simple, Safe, and Reliable

Take full control of your heating processes with Genlab's latest Universal Bench Top PID Stations—a compact, powerful solution designed for laboratory technicians, R&D specialists, and thermal engineers who demand accuracy, safety, and ease of use

With proven industrial-grade technology and a user-friendly design, Genlab PID Stations deliver:

- Precision you can trust
- Safety you can rely on
- Simplicity you'll appreciate

Effortless Setup. Total Control.

Simply plug in your heater (up to 2KW) using the supplied universal connection, and you're ready to go. With advanced PID technology derived from Genlab's industrial oven range, you'll achieve precise, stable temperature control across a wide range of applications.



Smart Monitoring & Built-In Safety

Dual Type K temperature sensors provide continuous, accurate feedback—ensuring your process stays exactly where it should be.

If conditions become unsafe—whether due to overheating or sensor removal—the system automatically:

- Enters alarm mode
- Cuts power to the heater
- Protects your equipment and workspace

Operation resumes only when safe conditions return and the manual reset is activated — giving you complete peace of mind.

Key Features at a Glance

- Safe control of heater loads up to 2KW
- Advanced PID control with solid-state switching and dynamic colour switching LEDs
- Independent Class 3.1 overheat protection
- Manual safety reset for full operator control
- Compact bench top design (12cm H x 25cm W x 28cm D)
- EvoTune – Auto tune with single button press
- Built-in electrical noise filter
- Universal Type K sensor input (mini plug connection)
- Flexible heater compatibility: cartridge, rod, strip, silicone, ceramic, and more
- Easy to Use Zero Span Calibration to compensate for sensor position / accuracy class
- Clear LED status indicators for heating and alarm states
- Optional countdown timer functionality
- Optional Programmer functionality
 - 96 segments divisible into 8 programs
 - 12 segments per programme (6 ramps and 6 soak)

Everything You Need Included

Each unit comes fully equipped for immediate use:

- 2 × PID controllers
- 2 × Type K welded tip sensors (up to 250°C)
- 2m IEC power lead with standard 3-pin plug
- Universal C20 connector for heater connection
- Rear earthing stud for 2-wire heating loads

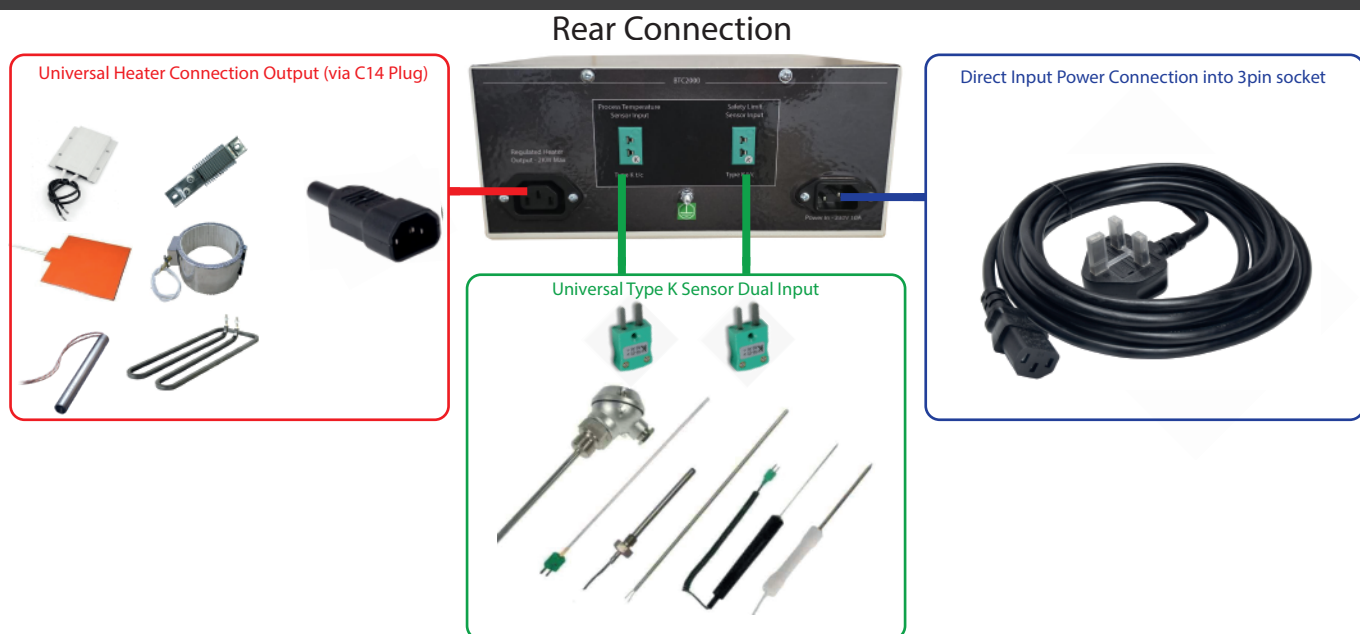
Wide Temperature Capability

Control temperatures from ambient up to 800°C, depending on your sensor selection.

Standard sensors: up to 250°C

For higher temperatures: Upgrade to mineral insulated Type K sensors

Typical Set Up



Option Codes

- BTC2000 2KW Bench Top Control Station
BTC2000/TIM 2KW Bench Top Control Station with Count Down Timer
BTC2000/PRO 2KW Bench Top Control Station with 96 Segment Profile Control