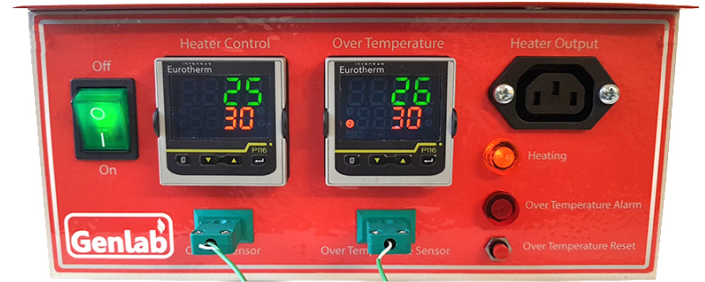


Genlab Benchtop Temperature Control PID Station



Model Shown - BTC1

Genlab's latest universal bench top PID Stations are popular among laboratory technicians, R&D engineers, and thermal engineers who want the latest PID controllers housed in an easy to operate and safe packaged solution.

Using the same features as our advanced industrial ovens, these PID stations allow users to simply connect to any heater load up to 2KW, using the universal plug supplied. Feedback from the 2 off type K temperature sensors supplied, will offer accurate temperature control of any heating load. If the safety sensor is removed, or, the process is getting unexpectedly too warm, the station will go into an alarm mode. In alarm mode power to the heat source is isolated until it returns to a safe temperature and the operator presses the reset button.

Features

- Compact station with integral Solid State Relay switching and high powered overheat relay
- PID (Proportional, Intergral and Derivative Control)
- Independant safety monitoring loop
- Only 250mm x 265mm x 120mm (W x D x H)
- High heater rating output - 2000 W @ 230V
- Manual overheat reset button with internal latching power relay
- Works with all types of heaters : cartridge, rod, strip, slicone heaters, plate, ceramic etc
- Supplied with 2 off universal type K sensor sockets allowing for any style of thermocouple designs
- Panel Indication LED status
- Supplied with 2 off flying lead K thermocouples, 2m IEC lead and universal panel plug

Options

- 3000 W Output versions available is same housing
- Multi loop stations
- 3 phase stations
- Customised branding / colour choices
- Bespoke heaters and sensors available upon request
- Profile controllers
- Integral timers
- Rear mounted sockets
- Digital communications



Design

The PID stations can be tailor made to suit customer needs. As standard, the units are made with a main control loop and an overheat safety controller. Each controller uses its own type K sensor via the mini panel sockets. Any heater load can be connected via the IEC plug supplied and the LED indicates when power is being applied to the heat load.

The units come with a standard IEC lead making it compatible globally to connect to any standard plug socket. It also comes with a universal plug (supplied loose) to connect any style of heater . Rear mounted earthing points are also installed for 2 wire heater loads.

Controls

Using Eurotherm's latest P116 controllers for both closed loop PID control with an integral safety control loop monitoring the status of the controller and process loops. Profile control stations use Eurotherm's latest EPC3016 stage profile control.

Either option offers one of the most advanced PID firmwares available in today's market. These benchtop stations will provide you with excellent temperature control, reduced overshoot and great stability, yet are designed to be simple to operate.

Typical Set Up



Order Codes

BTC2000
BTP2000

2000W PID Station
2000W PID Station with profile control

BTC3000 - 3000W Station
BTP3000 - 3000W Station with profile control

Contact sales for bespoke options and accessories.



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