

## Control Systems Temperature Control Systems



Protherm Furnaces provide a wide range of temperature controller options for customers to choose from.

Furnaces are equipped with the clients' choice of controller.

All controllers provided by Protherm Furnaces have built in sockets and easy to replace, for faster and quicker servicing.

Touch screen controllers provided are specifically designed for the dental series, and can maintain the control of the temperature as well as the motorized equipment provided with the system.

Controllers used by Protherm Furnaces are especially provide a rugged, durable and user friendly utilization.

### Controller Features

- ✓ Rugged and durable design
- ✓ Worldwide trusted brand options
- ✓ Click on sockets for ease of change and service
- ✓ High-quality material
- ✓ High level temperature accuracy
- ✓ Data export option
- ✓ Suitability with thermocouples
- ✓ Electrical protection
- ✓ Durable and long lasting membrane buttons
- ✓ Intuitive controller user interface

Brand	Model	Dimensions (HxW) mm	Display	Specs.	Alarm	Program Possibility	Number of Programs & Segments
Omron	E5CC	48x48	Dual	PID	Yes	N/A	none
Protherm	PC442T	48x48	Dual	PID	Yes	N/A	Timer
Protherm	PC442/18	72x72	Dual	PID	Yes	Yes	18 steps
Protherm	PC442/MP20	72x72	Dual	PID	Yes	Yes	20Prg x 40 Steps
Eurotherm	3208	45x92	Dual	PID	Yes	Yes	5Prg x 4 Steps

\*For accessories please check the accessory page for furnaces.

## Controller Information

### Omron E5CC

A simple and economical PID controller. Housed in 48 x 48 mms case (1/16 DIN) this controller has a dual display where set and actual temperature is observed. Several alarm definition features are possible.

### PC 442T

Housed in a 48x48mms case, PC 442T is the simplest type of PC series controller. Only the time function is available with this version of the PC series. This controller will turn off the furnace at a predetermined time slot. Alarm relay is standard and computer connection is available as an option. It provides a Hot Start facility thus continuation of the program is a standard feature.

### PC 442/18

Housed in a 72x72mms case, PC442/18 provides a single program with 18 steps of ramps and dwell times. Alarm relay is standard and computer connection is available as an option. It also provides Hot Start facility thus restart of the program is a standard feature.

### PC 442/ MP20

PC 442/MP20 provides 20 different programs for your satisfaction. With 40 steps available at each program, the controller has standard delay timer feature. Alarm relay is standard and computer connection is available as an option. It also provides Hot Start facility thus restart of the program is a standard feature.

### Eurotherm 3208

Eurotherm 3208 model provides 4 ramps and 4 dwells for each of the 5 programs that it obtains. Alarm relay is a standard feature and computer connection is available as an option with the controller.