



HOP-2820-TIT

Temp. controller TR 28-3T

This microprocessor controlled temperature regulator is suitable for the high temperature hot plate. After adjustment of the temperature setpoint by the membrane keypad, the PID controller keeps it constant (control deviation 2 K or less).

Programmer PR 5-3T

The microprocessor controlled ramp regulator offers a comprehensive time/temperature regulation for the high temp. hot plate. Pressing the START key activates a program of up to 5 ramps. Max. 5 ramps (consisting of ramp time, constant temp. and time of constant temp.) can be programmed. 3 program sets can be loaded into the non-volatile memory. A programmed lead time enables the activation of the start up to 99 hours in advance.

Every temperature and time parameter can be selected with its own key. Consequently the setting is easy and clear. It is possible to pass over single ramps by setting the according parameter to '0'. Every set value can be controlled during a program.

Back-up by an EEPROM. The device is equipped with a change-over switch to continuous control; buzzer signal at the program.

**HOP-2820-TIT, High temperature Hotplate of TITANIUM up to 600°C, for continuous operation****with PID – Temperature Controller or Programmer.**

High temperature hot plate of TITANIUM up to 600°C
HOP-2820-TIT.

This high temperature hot plate reaches its max. temp. of 600°C within about 20 min. The upper plate consists of TITANIUM, overall dim. 280 x 200 mm. The marked area of constant temperature is 230 x 160 mm. Owing to a special insulation the device can be placed even on surfaces sensitive to heat. Metal sheets all around keep the casing temperature to a minimum.

The insulated snap-lid ensures little loss of heat and short times of warming. Between the closed lid (inner surface Ceran'~ and the heating plate remain 26 mm, enabling an intensive heating of plain parts at high precise temperatures. The whole casing is made of stainless steel. The temperature regulator is connected by two plugged cables.

HOP-2820-TIT is available either with a temperature controller or with a programmer. The temperature controller keeps the device constant to an adjusted temperature within the whole range.

The programmer allows the control of certain programs including phases of heating up, constant temperature and cooling.

Equipment of PR5-3T and TR 28-3T

2-poled main switch; individual adjustment of proportional range, derivative/integrating factor and cycle time; control range limitation (to avoid the setting of values not useful or harmful to an application); contact maker input, actual value correction, junction bush for high temperature hot plate, wattage power control 1...100%, uninterrupted switching. Both regulators show the actual value constantly. Furthermore the programmer shows the remaining time of a ramp. When the SET key is pressed, the display changes to show the setpoint. On request the devices are available with a temperature limiter to avoid superheating.

Type	HOP-2820-TIT without cover	HOP-2820-TIT-C with cover
Titanium plate size	280 mm x 200 mm	
Constant heating area	230 mm x 160 mm	
Max. temperature	600°C	
Voltage	230 Volt / 50..60 Hz	
Power	2000 Watt	
Spread of temperature	±2K	
Cable length (standard)	1.5m	
Overall dimensions	350 mm x 300 mm	
Height	110 mm	145 mm
Effective height with closed cover	-	26 mm*
Weight	8 kg	10 kg

*Covers for more effective height on inquiry