

Temperature Controllers, Gestigkeit

Programmer, PR 5 series

The PR 5 microprocessor-controlled ramp regulator is a complex time and temperature controller that can be used for almost all technical heating operations. A program set consisting of 5 ramps is put into operation by pressing the START button. Three parameters are necessary to set a ramp: ramp time, constant temperature and constant time. A programmable lead-time allows the ramp program to be activated up to 99 hours in advance.

Three separate programs (temperature profiles) can be stored. The digital display constantly indicates the actual temperature and the time remaining before program completion. At the rear of the unit is an earthing-pin socket for connecting the heater, a positioning prop and a 2-pole main switch, at the front of the unit is a socket for a contact thermometers. A temperature selection limiter prevents the operator from selecting dangerous temperatures.

Technical data:

External W x H x D: 305 x 105 x 180 mm

Weight: approx. 2,7 kg

Power supply: 220 to 240 V~, 50 to 60 Hz

Performance: 220 to 240 V~, 50 to 60 Hz, 2000 W

Regulation: switches the load in zero phase, contact free and wear free; choice of two-point or P, PD, PID, whereby the hysteresis (proportional range), differential factor, integral factor and cycle time can all be separately selected

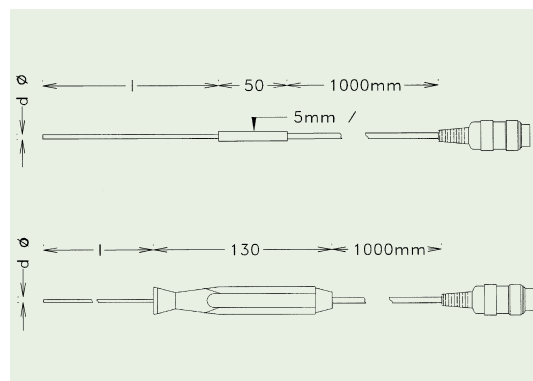
Heater output: selectable from 1 to 100%, no loss

Sensor connection: at the front, with sensor failure protection device with acoustic signal

Performance alignm.: obtained with actual value correction

Displays: 4-digit for temperature, 3-digit for time

Time ranges: for ramp and constant time 0 to 9 h 59 min



Article	Order No.
Program controller PR 5N	71 06 00500
for NiCr-Ni, -200 to +1550°C, resolution 1 K	
Program controller PR 5P	71 06 00510
for Pt 100, -200 to +850°C, resolution 0,1 K	

For matching temperature sensors, see TR... series temp. controllers

Matching temperature sensors

Article	Order No.
NiCr-Ni Temperature probe	71 06 11500
jacket thermocouple made of Inconel, pliable, with plastic handle, silicone cable, connector, potential free, -65 to 1150°C, t_{09} approx. 3 sec., $d = 1,5$ mm, $l = 150$ mm, Type HFN 1150.	
NiCr-Ni Temperature probe	71 06 21500
V4A tube, with cable sleeve, silicone cable, connector, potential free, -65 to 1150°C, t_{09} approx. 3 sec., $d = 1,5$ mm, $l = 200$ mm, Type FN 215.	
Pt-100 Temperature probe	71 06 60000
V4A tube, with plastic handle, PVC cable, connector (3-wire), -65 to 600°C, t_{09} approx. 10 sec., $d = 3$ mm, $l = 150$ mm, Type HFP 600.	
Pt-100 Temperature probe	71 06 33000
V4A tube, with cable sleeve, silicone cable, connector (3-wire), -65 to 600°C, t_{09} approx. 10 sec., $d = 3$ mm, $l = 300$ mm, Type FP 330.	

