



Temperature Controller TC-5

Article No. 70.07



The temperature controller TC-5 with the new design (Ref. 70.07) is the successor of the TC-4. The further improved control characteristics, allows an accurate and stable control result. With the actual value - correction, the system can be calibrated with a calibrated reference instrument.

Compatible with TC-4!



The housing is designed to fit onto other Gelnorm® equipment - in the same design - to form a stable stack.



The mains connection with the fuses and the main switch is on the rear panel. The other connectors are for the new and old plugs of the electrical Gelnorm® heaters. The device is compatible with TC-4.

Security

- Sensor circuit interrupted
- Sensor short circuited
- Temperature exceeds intended value by + 10 °C

In the event of any of the listed faults, the equipment switches the heating off. The regulating unit TC-5 is intended for precision temperature control in the laboratory for use with our Gelnorm® products. Its power rating is optimised for the usual electric heaters such as our B-Time plate, Heat-block PL, Heat-block GT etc. with the NEW and OLD connections from the electric heating system.



Technical Data

Temperature Controller TC-5

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Actual value (Pt100):

Range: 0 ... 250.0 °C

Accuracy: $\pm 0,3\%$ of the scale range ± 1 Digit

Offset: $\pm 0,1$ °C ... 99,9 °C, adjustable

Intended value:

Range: 0 ... 200,0 °C, (on request 250.0 °C)

Resolution: 0,1 K

Accuracy: $\pm 0,3$ K

Power supply:

100 - 240 VAC, 50/60 Hz

Power output

Voltage

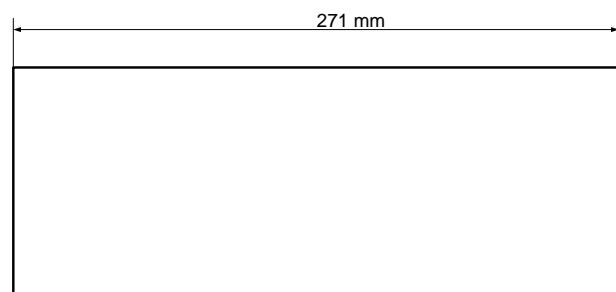
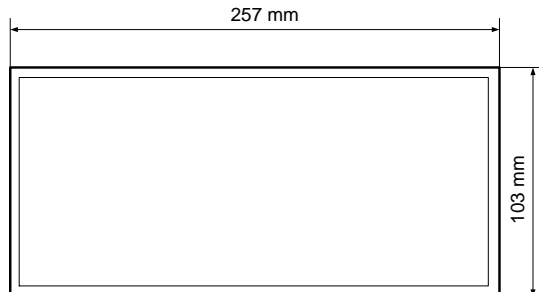
- same as Power Supply

Power max.

- resistive: 600 W

Dimensions

257 mm x 103 mm x 271 mm



For Gelnorm® Heating devices
with separate sensor and power cable

Cable for TC-4
Heater



Sensor



New from march 2014!
combined heater and sensor



Order number:

70.07, with information from the cable type