

**Temperature Controller
TC01 and TC02**

**1-Channel Temperature Controller TC01
2-Channel Temperature Controller TC02**



Advantages

- Temperature controller for biological samples.
- PI based technology.
- Setpoint temperature reached fast within 30 seconds to 5 minutes.

Technical Specifications

Operating temperature	10 °C to 40 °C
Storage temperature	0 °C to 50 °C
Weight	1.5 kg
Dimensions (W x D x H)	170 x 224 x 66 mm
Supply voltage and current	24 V and 4 A
Desktop AC power adapter	85 VAC to 264 VAC @ 47 Hz to 63 Hz
Main fuse	800 mA slow blow
Sensor type	Pt100
Measuring method	four wire measuring bridge
Measuring temperature range	0 °C to 105 °C
Accuracy	0.1 °C
Resolution	0.01 °C
Number of output channels	1 (TC01) or 2 (TC02)
Output voltage	max. 24 V
Output current	max. 2.5 A per channel
Output power	max. 30 W per channel
Resistance range of heating element	5 to 100 Ω
Control range	Ambient temperature (min. 10 °C) to 105 °C
Control interface	USB 2.0