# **Temperature Controllers**





## For Heating and/or Cooling

TC-10 / TC-20

### Heat-only temperature controller



- TC-10: one heating channel (12 V, 2.5 A) two thermometers
- TC-20: two independent channels (12 V, 2 x 2 A)

## PTC-10 / PTC-20

## **Heating & Cooling temperature controllers**



- Heating and cooling with powerful bipolar output
- PTC-10: one channel (±12 V, 3.5 A)
  two thermometers
- PTC-20: two independent channels ( $\pm 12 \text{ V}$ , 2 x 3 A)

## MTC-20/2SD

### Simple heat-only temperature controller



- one heating channel (12 V, 1 A) two thermometers
- Suitable for perfusion heating, chamber heating

## Common features of all npi temperature controllers:

- Designed for use in sensitive electrophysiological recordings
- No switching artefacts due to analog control
- No electrical noise due to linear power supply
- Adjustable feedback speed allows use with multiple devices





## **Temperature Control - Accessories**

#### **Perfusion heaters**



## Heated microscope stage



**Objective heater** 



**Animal heating pads** 



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#### Perfusion heaters/coolers



## **Heating/cooling Microincubator**



#### Heat sink for Peltier devices



## **Temperature sensors**

TS-100: 2.5 mm x 6 mm (with waterproof cover)



TS-200: 0.8 mm x 6 mm



TS-CAB: connection cable for sensors

#### North America:

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