

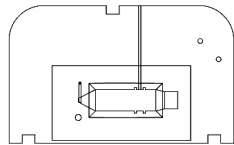
Temperature Controller Accessories (partial listing)

BT-1-xx Tissue chamber-(see BT-xx flyer)

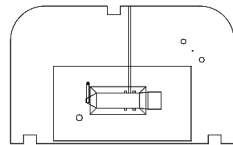
Application: tissue chambers-for isolated cells, tissue or brain slices.



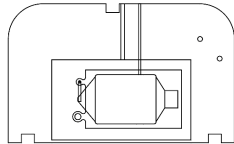
- size platform 8.3 x 5.1 x 0.55cm
- size central chamber:
 - BT-1: 22.4x8x1.3mm≈0.25ml vol
 - BT-1AR: 15.7x5.6x3.5mm≈0.12ml vol
 - BT-1-13B: 22.4x13x3.5mm≈0.5ml vol
 - BT-1-18: 22.4x18x3.5mm≈1.4ml vol
- inflow/outflow chamber, thermistor groove
- constructed of polycarbonate
- compatible with HI-24p/24Tp/25p/25Dp



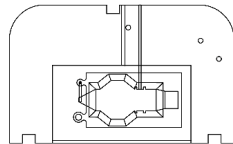
BT-1



BT-1AR



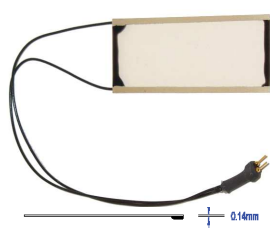
BT-1-18



BT-1-13B

HI-24p/24Tp Heater-ITO transparent-(see HI-xx flyer)

Application: heating BT-1-xx Tissue chamber or similar small tissue chambers. Use with **inverted** or **conventional** microscope. HI-2xTp are thinner for fluorescence or work with immersion lenses.



- **transparent** indium tin oxide coated heater
- sizes:
 - HI-24p[25p]: 40[50]x22x≈0.18mm thick.
 - HI-24Tp: 40x22x≈0.12mm thick.
 Heated area≈35x18mm
- resistance nominally 6-13Ω
- max. operating temp. 70°C
- plugs into TC2BIP or mTCII using CAB-HX

HI-22Dp/25Dp/55Dp/57Dp/711Dp/Hi-812 Heaters-ITO transparent-(see HI-xx flyer)

Application: heating 30mm culture dishes, Nunc Lab-Tek chambers. Heater forms a platform for dishes/chambers.



- **transparent** indium tin oxide coated heater
- sizes: HI-22/25/55/57≈0.6mm thick.
- size: HI-711, HI-812≈1.1mm thick.
- resistance typically 9Ω
- max. operating temp. 70°C

HLS-1p/HLS-8x.8p Heater-lens, silicon

Application: objective heater (typicall used with TH-10Kmp thermistor probe).



- heater size HLS-1p 7x2cm HLS-8x.8p 8x0.8cm
- all heaters 0.35mm thick away from contacts

TC2-Ch3 3rd Heat only channel

Application: optional 3rd channel for TC2BIP



- independent controller
- power from TC2BIP
- max. 8V, 1.5Amp output
- fits inside TC2BIP

HPRE2/HPRE2HF Pre-heaters

Application: 3 loop capillary heater for pre-heating solution



- HPRE2[HF] dims. 45[70] x14x7mm (LxWxH); heater resistance ≈11Ω
- Thermistor sensor: 10kΩ NTC
- Plugs into Heater Aux of TC2BIP

BT-I55D Transparent ITO stage

Application: Heating culture dishes etc for EP or microscopy

- Uses HI-55Dp heater and TH-10Kmp probe
- Plugs into Probe and Heater Aux of TC2BIP or mTCII



MPRE8 Multitube Pre-heater

Application: superfusion of cells or small tissue pieces



- Dims. 10 x 0.4cm (LxDiam); heater resistance ≈11Ω
- Thermistor sensor: 10kΩ NTC
- Plugs into Heater Aux or TC2-Ch3 of TC2BIP or mTCII

TH-10Kmp Therm. probe

Application: miniature thermistor probe (≈0.45mm diam.)



- general purpose mini probe, submersible
- R_{th} @ 25°C: 10kΩ
- τ < 100ms, plunge water
- max oper. temp: 100°C; 1.2m lead; 6mm plug
- compatible with Probe input of TC2BIP & mTCII/mTC3

FL-1 Miniature positioner

Application: adjust bath solution levels, position ref. electrodes.



- size: base 13mm dia., height 24mm
- adjuster height range ≈3mm;≈0.5mm/turn
- miniature block for clamping tube, electrode

MSA-xxx Microscope stage adapters -(see MSA-xx flyer)

Application: to adapt BT-1-xx tissue chambers and HLD-CS to different microscopes stages



MSA-NIKD
MSA-OL11



MSA-TS100



MSA-LEI/DM