

### Compact and cost-effective setup



emkaBATH2 is designed for vessels (diameter from 0.5 to 10 mm) or strips (maximum length of 40 mm) such as aorta, trachea, ileon...

It provides heated, oxygenated and nutrient-rich perfusate to the tissues.

#### Ideal for education

- » integrated and compact, no need for separate water heater
- » 1 or 2-baths benchtop setup
- » fits on lab bench
- » simple to set up and run
- » touchscreen for operations and information display
- » easy mounting and removal for cleaning : bath and heater block can be easily removed

#### Features

- » 1 or 2 baths (20ml)
- » available with two models of isometric transducers
- » closed triangle or C shape hooks
- » automatic bath filling and manual bath emptying
- » manual tissue tension adjustment through precision positioner
- » tissue tension and bath temperature displayed on screen
- » physiological liquid preheating
- » individual bath heating
- » digital signals are available on the USB connector
- » calibrated BNC analog outputs

#### Powerful software features

iox2 data acquisition & processing software offers:

- » automatic filling accessible from protocol
- » full data display as graphs, tables, trends
- » beat to beat calculation on fast beating tissues (papillary/atrial muscles)
- » detailed calculation on slow contracting tissue (uterus, ileum)

datanalyst software for post-processing (data extraction, group averaging, ED50...)



#### Specifications

|                 |             |
|-----------------|-------------|
| it50 transducer |             |
| range           | 0 to 50 g   |
| displacement    | 0.89 mm/50g |
| sensitivity     | 0.2 mV/g    |

|                |           |
|----------------|-----------|
| it1 transducer |           |
| range          | 0 to 25 g |
| displacement   | 5 µm/25g  |
| sensitivity    | 6 mV/g    |

|                         |                            |
|-------------------------|----------------------------|
| emkaBATH2 mainframe     |                            |
| positioner resolution   | 0.5mm/rotation             |
| bath temperature: range | 20.0-39.0°C (68-102.2°F)   |
| resolution              | 0.1°C (0.18 °F)            |
| bubbling                | frit glass, tube or needle |
| analog output           | 0-5 V                      |
| baths sizes             | 10, 20 ml                  |
| dimension               | 300x335x425 mm             |
| power supply            | 12 V 120Watts              |