

- Fully functional yet economical
- Closed buffer circuit with no external reservoirs
- Semi-automated fill and drain
- Non water-based heating system
- Isometric and Isotonic transducers available
- Built-in amplifiers
- Simple controls and intuitive operation
- Built to last with a 5 year warranty



The Tissue Organ Bath System - 751mT mini-TOBS is an affordable system that is recommended for a large variety of studies, predominantly in the teaching environment, where contractile force measurement (isometric or isotonic) is required. Whether the experiment involves cardiac, skeletal or smooth muscle, the availability of a range of tissue holders and chambers makes it a versatile laboratory tool.

Using proven technologies from our high-end line of myograph systems, and with the aim of enhancing productivity and efficiency in physiology, pharmacology and toxicology teaching laboratories, the mini-TOBS is a beautifully designed tool that sets new standards.

We have replaced the traditional water-based heating system with a very fast air-heating system. Furthermore, automated control of filling/emptying has been added, and an analog output has been provided for external data acquisition. The mini-TOBS has two heated and aerated buffer bottles which allow you to work with different buffers.

Maintenance is an inconvenience in many systems. In the mini-TOBS, replacing the parts in contact with buffer takes less than a minute. Low maintenance and a high level of automation will increase the productivity in any teaching lab or research lab on a budget.

Note that the mini-TOBS fits neatly in a fume hood, providing a convenient solution for researchers experimenting with hazardous compounds.



TISSUE ORGAN BATH SYSTEM - 751MT

CHAMBER:

Chamber volume (min)	10, 20 (*1) or 50 ml
Chamber(s)	1
Chamber material	Glass
Chamber temperature range	20.0 to 40.0 °C
Chamber temperature resolution	0.1 °C
Chamber temperature stability	±0.2 °C
Micrometer resolution	0.01 mm
Mounting type	Pins, clips or hooks
Drain/fill	Automatic
Aeration	Yes

TEMPERATURE:

Range	20.0 to 40.0 °C
Resolution	0.1 °C
Stability	±0.1 °C
Heating	Built-in air circulation

TRANSDUCER:

Output reading	Grams
Range	±160 g
Frequency range	0 - 50 Hz
Operating temperature	20.0 to 40.0 °C
Resolution	0.1 g
Calibration	Manually

OUTPUT:

Data communication	USB
Analogue output channels	1
Analogue output range	±2.5 V
Output resolution	0.01g

RESERVOIR:

Amount	2 bottles
Volume	1 L (each)
Chamber filling range	100 ml/min
Heating	Electronical - built-in
Temperature range	20.0 to 40.0 °C
Temperature resolution	0.1 °C
Temperature stability	±3.0 °C

POWER:

Power supply (external)	24 VDC ±10%
Current (max.)	3.3 Amps

DIMENSIONS:

Product size (LxHxD)	45 x 26 x 30 cm
Weight	8 kg

*1 20 ml chambers supplied as standard