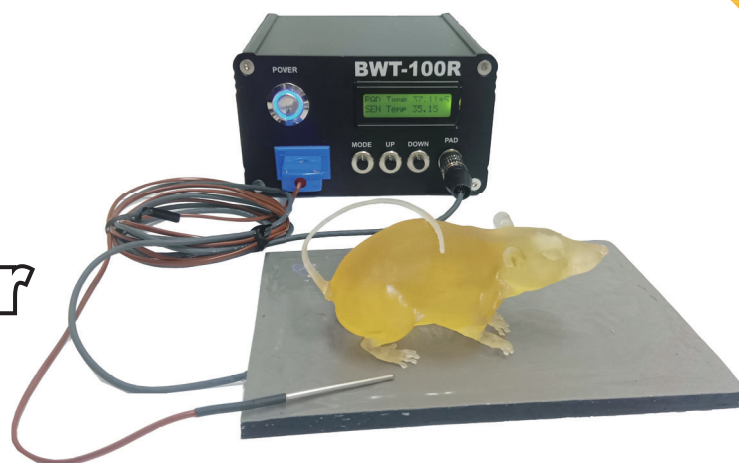


BWT-100R

Animal Warmer



BWT-100R is the latest animal warmer designed for mice and rats. The former model, BWT-100 is quite popular and widely used in the animal research communities over 30 years, proven by a bunch of publications. In this new model BWT-100R, we added two new features which are often requested by the former users:

EM-shielded heating pad for electrophysiology

The pad used in BWT-100R contains a "Faraday-cage" inside! An internal metallic layer catches electromagnetic waves from heater so no EM noise is picked up by ephys amplifiers. Best for neurophysiology (EEG, LFP, spikes), ECG, EMG, etc.

Dual analog output for rectal and pad temperature

Rectal temperature can be continuously monitored by inserting a rectal temperature sensor probe into the animal's rectum, with the possibility of closed-loop heating control to maintain the target temperature. BWT-100R is a unique animal warmer in terms of having the feature of real-time analog output for both rectal and pad temperature. You can connect these to an external data recorder for building a vital signs monitor together with other physiological parameters e.g. ECG, blood pressure, etc.

GND terminal for EM noise elimination



Analog out for pad temp. Analog out for rectal temp.



PAD mode: Closed-loop control referring pad temperature.
SEN mode: Closed-loop control referring sensor probe temperature.
Const Heat mode: Constant power heating, no closed loop.
Measuring mode: No heating, only monitor the sensor temperature.

Specification

Target Temperature	Room temperature ~ 45°C
Measuring Temperature	10 ~ 45°C
Temperature Resolution	+/- 0.1°C
Temperature Sensor Probe	T-type thermocouple, dia.1.5mm
Size of small pad	W x D : 85 x 125mm
Size of large pad	W x D : 160 x 215mm
Size of BWT-100R box	W x D x H : 110 x 120 x 65mm

Rectal temperature
sensor probe

Small Pad (for mice)

Large Pad
(for rats)

Model	Descriptions
BWT-100R-S	Animal Warmer, with a small pad and sensor probe
BWT-100R-L	Animal Warmer, with a large pad and sensor probe
BWT-PAD-S	Small pad
BWT-PAD-L	Large pad
BWT-SEN	Rectal temperature sensor probe

In US & Canada:



AMUZA INC

10060 Carroll Canyon Road, Suite 100, San Diego, California, USA, 92131
URL: <https://amuzainc.com>
Tel: (858) 225-6869 Fax: (858) 560-8040

Other Countries:



Bio Research Center

Towa-Takaoka Bldg. 4F, 2-28-24 Izumi, Higashi-ku, Nagoya, Japan 461-0001
URL: <http://www.teleopto.com> Mail: sales-intl@brck.co.jp
Tel: +81-52-932-6421 Fax: +81-52-932-6755