Molecule to Man Imaging

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Product Definition:

BioVet temperature regulation channel

Animal body temperature is extremely important for the well being of the animal during and after experimentation. BioVet® temperature regulation channel is an additional channel for the BioVet® system which offers reliable and safe temperature regulation. This channel allows regulation of animal temperature through a heating mat placed under or around the animal. Selecting a preset heat from the BioVet® software, the heater temperature channel control unit will heat the mat to gently warm the animal. Once the desired temperature has been reached, the heater will automatically switch off. The heater can be used without the BioVet® system connected and will by default heat the mat to 40°C. *This device is not intended for human use.*

Customers may also wish to use this product in conjunction with our multi modal animal handling solutions and stand alone temperature regulation unit for regulating temperature pre and post anesthesia – further information is available on our website www.m2mimaging.com .

General Features:

* Automated and easy to use.
* Built in safety cut out to protect animal from overheating.
* Medical grade power supply and safety.
* Ease of use through with or without the BioVet® system/software.

Channel Inclusions

- Temperature control module
- Heating mat to suit mouse
- Heating mat to suit rat
- Medical grade power supply
- BioVet® interface cable
- Documentation and Manuals

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www.m2mimaging.com

Product Software

The BioVet temperature regulation unit is controlled through the BioVet software. Figure 1 shows the control panel depicting preset temperature settings to control the heater temperature. Heater temperature is always displayed on the rate display panel on the left side of the software main screen.

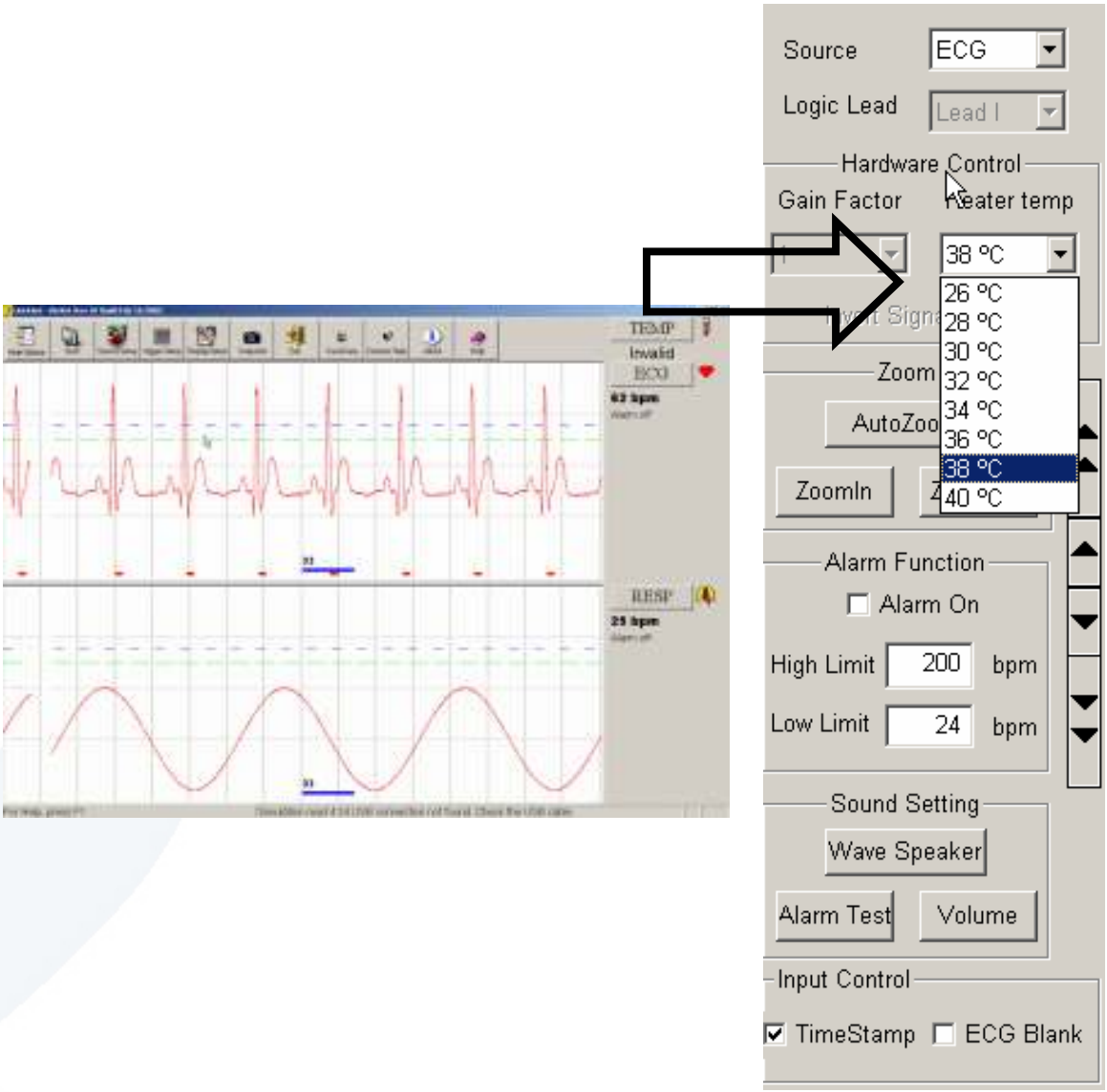

Figure 1: BioVet software temperature regulation control panel

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Product Hardware Specifications

	Parameter	Specifications
Temperature Control	Heating Element	Thermo-Foil heater with integrated RTD sensor
	Range	26-40°C
	Temperature Settings	26°C, 28°C, 30°C, 32°C, 34°C, 36°C, 38°C, 40°C,
	Accuracy	+/- 1°C
Power	Input Voltage	85 to 264 VAC
	Input Frequency	47 to 63 Hz
	EMI	FCC Level B
		EN55011 Class B
	Safety	UL2601-1
		IEC60601-1
		CSA22.2 No. 601.1

Table 1: Hardware specifications

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Contact

For further information and pricing on this system please contact m2m Imaging Corp:

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m2m Imaging Corp is an ISO9001 and ISO13485 certified manufacturer.