

Multi-animal 3-channel Respiration Module for use with an Existing Monitoring System



Specifications:

Respiration rate measurement:
range 13 – 300 bpm
accuracy 1 count
sensor pneumatic pillow

Input connections:
power
fiber optic communication
pneumatic pillow x3

Output connections:
Fiber optic communication

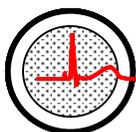
LED indicators:
power on – green
respiration ch-2 – yellow
respiration ch-3 – yellow
respiration ch-4 – yellow

Gate control, each channel:
Inspiration, expiration & gate
Gate delay selectable 1 ms step
Gate width selectable 1 ms step

Power supply:
Input: 100 – 240 VAC,
50 - 60 Hz, 0.5 A
Output: 12 VDC, 150 mA

Module size: h x w x d
3.8 x 13.3 x 12.5 cm

- Use with an existing SAll single channel monitoring system, like the Model 1030 or 1025T, to create an economical 4-animal monitoring and gating system
- Respiration monitoring for up to 4 animals
- Temperature monitoring and temperature control of the air around the animals
- Retrospective respiration gating
- Compatible with MR, PET, SPECT and CT
- 3 additional channels of temperature monitoring using fiber optic or thermistor temperature sensors is optional



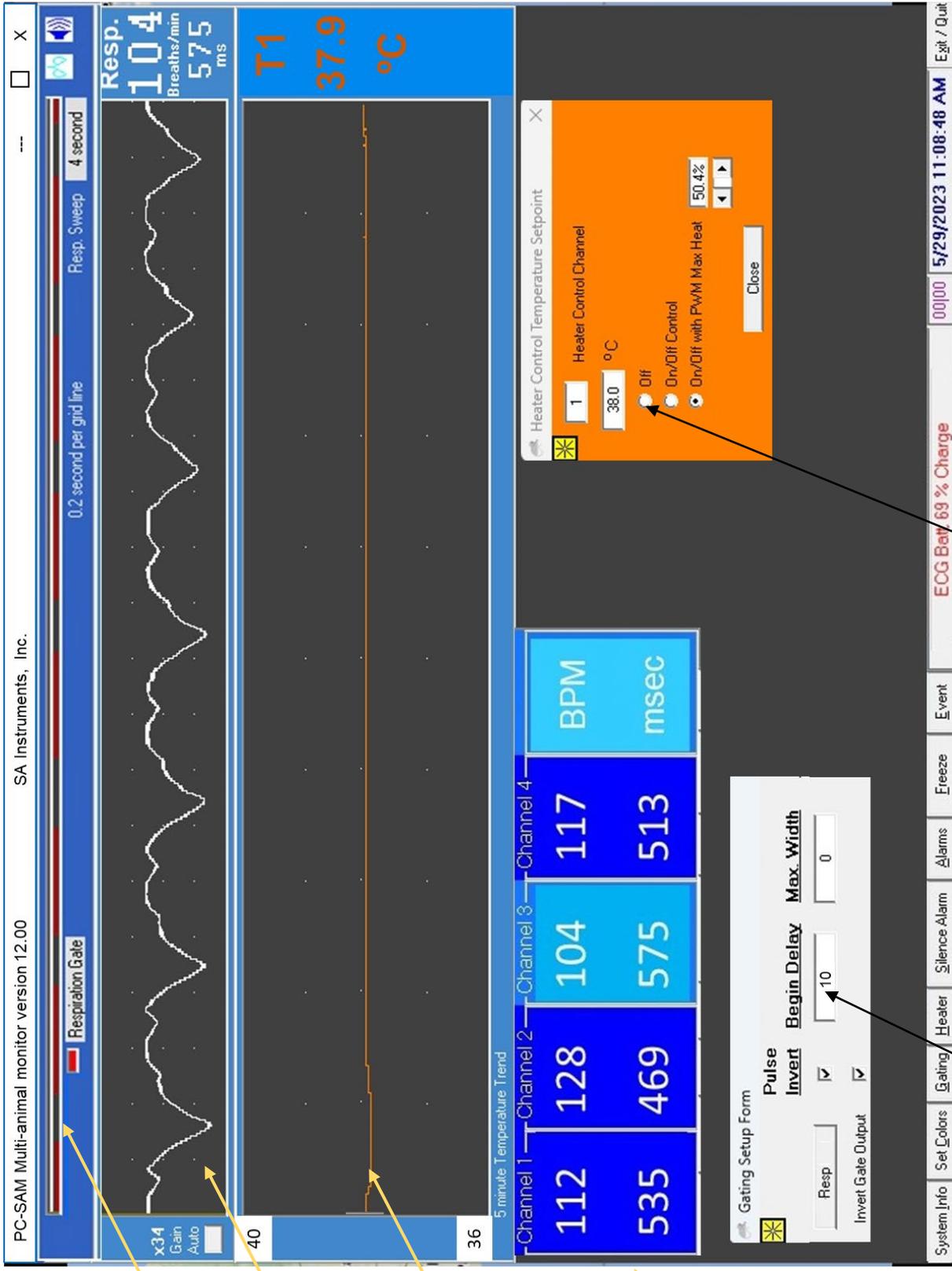
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Model 1030 Multi-animal Monitor Display



Red bar when expiration gate is generated for the selected channel

Respiration waveform for the selected channel

Temperature trend, new measurement enters from right

Respiration rate and period for all animals. Click channel to select waveform display.

Gating setup window allows user control of respiration gates. A "0" for Max Width allows the firmware to determine the gate width.

Heater window allows user control of the heater.



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