

# Multi-animal 3-channel Respiration Module



## 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

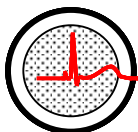
LED indicators:  
power on – green  
respiration ch-2 – yellow  
respiration ch-3 – yellow  
respiration ch-4 – yellow

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 a SAll single channel monitoring system to create a 4-channel, multi-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



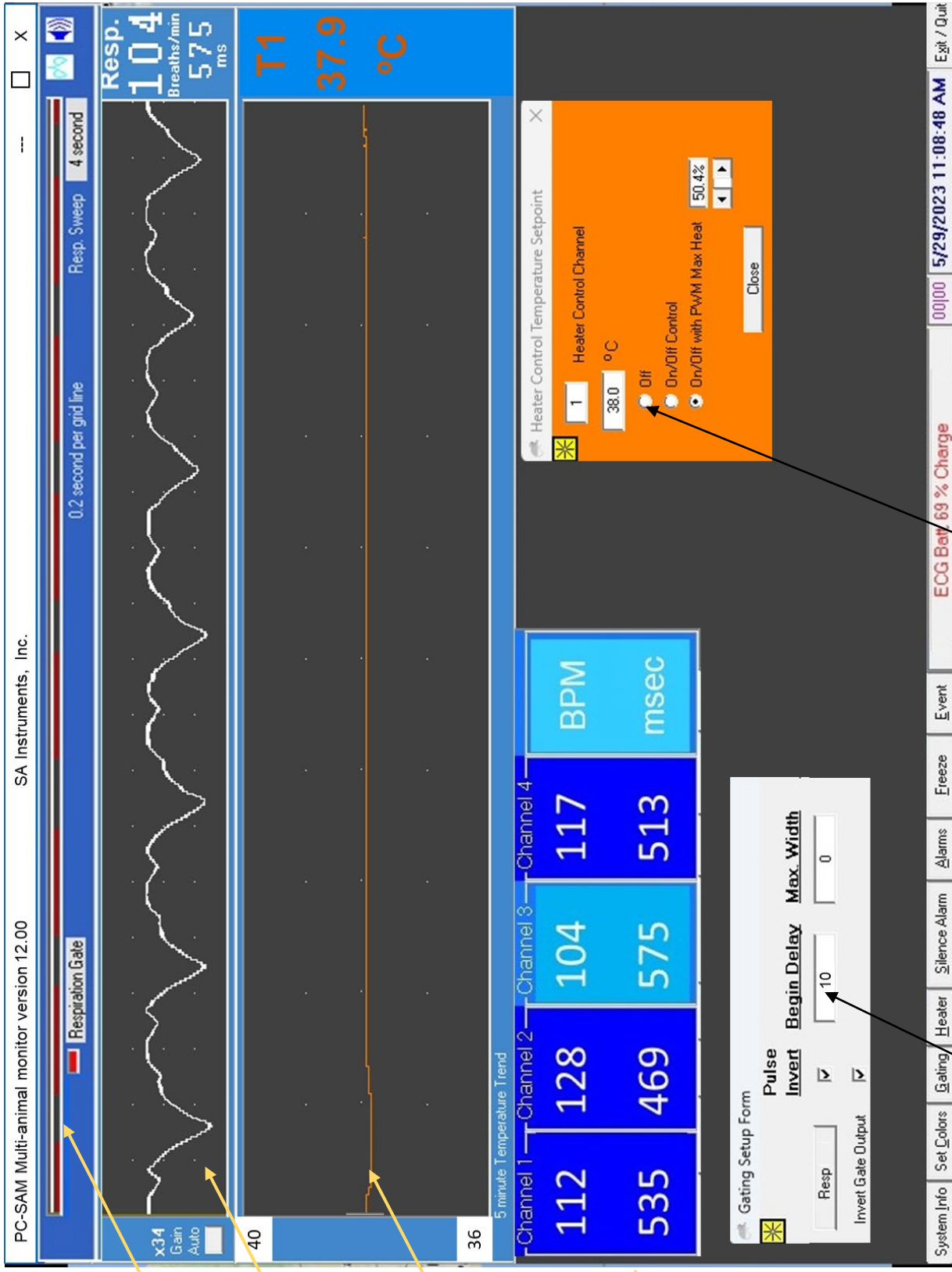
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# Model 1030 Multi-animal Monitor Display



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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