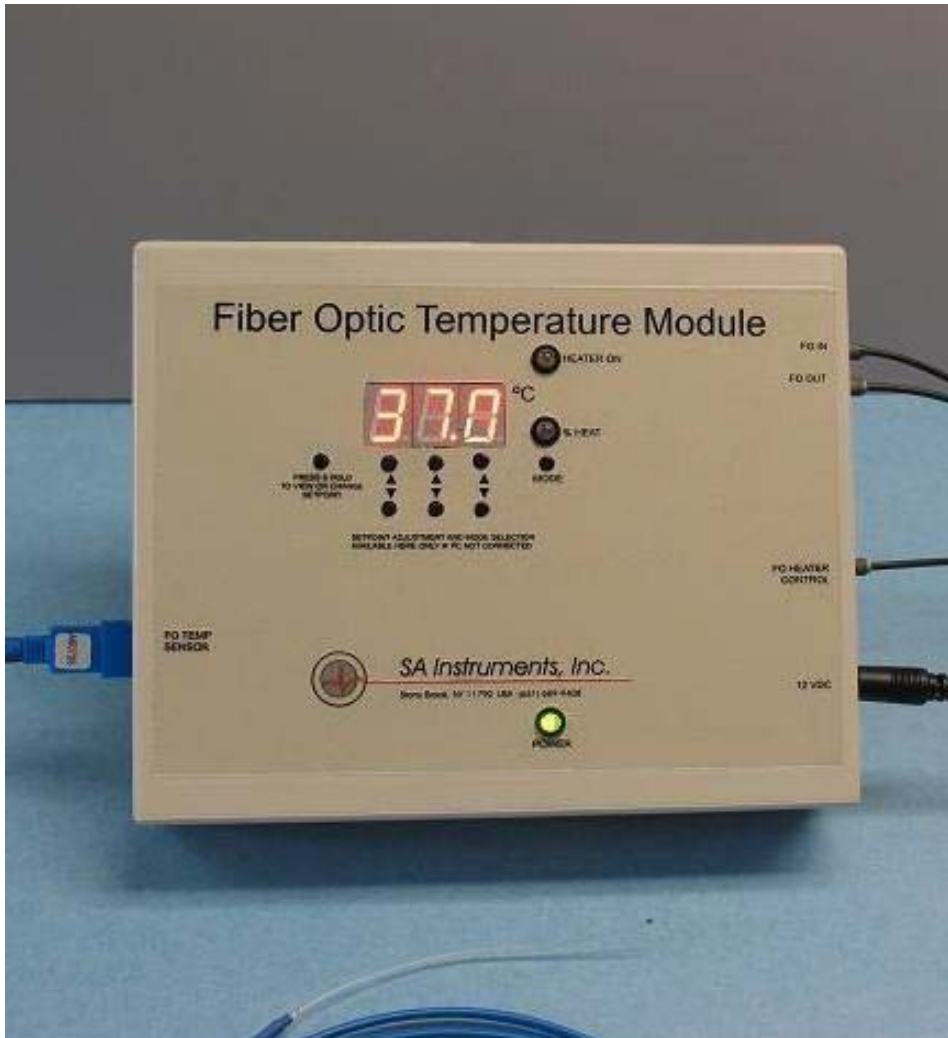


MR-compatible Fiber Optic Temperature



Specifications:

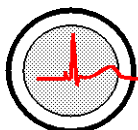
Probe

Type	fiber optic
Length	1.5 m
Tip OD	1.0 mm

FO Temperature Module

Range	10 – 70 °C
Accuracy	±0.2 °C
Channels	1 to 4
Display	3digit
LED indicators	power heater on duty factor/% heat
Input connections:	temperature probe power, fiber optic communication
Output connections	heater control, fiber optic communication
Heater control	fiber optic pulse width modulated
Power	12/280 VDC/mA
Size hxwxh	4.8x15.6x19.7 cm

- Fiber optic temperature probes do not produce artifacts in MR images and can not contribute to RF heating.
- Use stand alone with the Heater System or with the Model 1025 or 1030 Monitoring & Gating Systems.
- Controls the SAIL Heater System by comparing the measured temperature to a user defined set point.
- The temperature of small animals can typically be controlled to ±0.1 °C.



SA Instruments, Inc.

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MR-compatible Heater System for Small Animals



Specifications:

Heater Module

Input connections:

power, control,
cool air

Output connections

warm air

LED indicators

power on – green
heater on - yellow

Control fiber optic pulse
width modulation

Power 115/4 VAC/Amps

230/2 VAC/Amps

Size hxwx 16.4x8.9x26.0 cm

Fan Module

Input connections

power

Output connections

cool air

Power 115/0.2 VAC/Amps

230/0.1 VAC/Amps

Size hxwx 6.4x18.0x18.4 cm

Heater Air Hose

Bore smooth

Length 1.5 m

ID/OD 2.5/3.2 cm

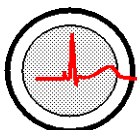
Fan Air Hose

Bore smooth

Length 6.0 m

ID/OD 2.5/3.2 cm

- Fan Module supplies cool room air to the Heater Module located near the magnet bore.
- Heater Module turns on and off based on the animal's measured temperature and a user defined set point.
- Controlled by the Model 1025 or 1030 Monitoring & Gating Systems or by the Fiber Optic Temperature Module.
- The temperature of small animals can typically be controlled to ± 0.1 °C.



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