

BIOAMP RFQ AND ORDER FORM

ORGANIZATION:	DATE:
ADDRESS:	SPECS APPROVED BY:
	SIGNED:
	PHONE: FAX:

CHECK APPLICABLE BOXES AND/OR SUPPLY DETAILS.

(\$) DENOTES EXTRA COST OPTIONS

1. **CONCEPT:** This BIOAMP is primarily an EEG ___; EMG ___; or a UNIVERSAL ___ system. The total number of channels is:_____.

2. **MECHANICAL:** TABLETOP___; TRIPOD/TABLETOP (\$)___; 19" RACK MOUNT (\$)___. The front panel electrode monitors (LEDS) show a number sequence ___ (channel #) or ELECTRODE DESIGNATORS___; detail: (use separate sheet if necessary)

3. **INPUT:** **ELECTRO-CAP** (monopolar)___; supply an E-CAP (\$)___ (send details including E-CAP cable length). SAI prefers to supply the initial E-CAP to insure proper connection with the BIOAMP or we can adapt yours. An E-CAP can be connected directly to the BIOAMP or via an input HEADBOX.
 &/OR
 Simple headbox for bipolar electrode connections into 0.08" jacks (\$)___; also require an E-CAP SUB-D input (\$)___.
 &/OR
A MULTIFUNCTIONAL HEADBOX (\$)___ for monopolar/bipolar loose-leads and E-CAP; includes switches for grounding-out unused inputs, a switchable REF buss and two cal signals. Built in DIGITAL IMPEDANCE METER (\$)___.

HEADBOX MOUNT: TABLE___; or TRIPOD/TABLE (\$)___; or WALL/TABLE (\$)___.

HEADBOX CABLE: HEADBOX to BIOAMP_____ft. (Cable Length, 6ft. Std.)

4. **THE FIXED GAIN IS:**_____. For best SNR select a gain which at maximum signal input levels, will produce an output that is ~80-90% of the maximum input level allowed by your ADC-DSP or other input device. Note that the maximum BIOAMP output is +/-2.4V (4.8Vpp).

THE FIXED BANDPASS IS: _____to _____ Hz (Frequency Hz = 0.159/Tc sec).
 Four-pole LPF (\$)___; (standard is 2-pole Butterworth).

-----OR-----

IF ADJUSTABLE PARAMETERS ARE REQUIRED

continued...

5. **BASE QUAD OPTION:**___(\$)
All channels are controlled by a master three-switch set (GAIN/HPF/LPF), each switch having 4 positions.

GAIN: _____, _____, _____, _____ x1000.
HPF: _____, _____, _____, _____ Hz.
LPF: _____, _____, _____, _____ Hz.

DC RESPONSE (\$)___; (uses one position of the QUAD OPTION HPF switch)
FOUR-POLE LPF (\$)___; (standard is 2-pole Butterworth)

Again, when selecting gains, take into consideration the maximum BIOAMP output of +/- 2.4V (4.8Vpp)

6. **SECONDARY QUAD OPTION:**___(\$)
Additionally, any number of individually controlled channels is available; detail your requirements on a separate sheet.
A typical BIOAMP configuration is: each of the last 2-4 channels is on a separate three-switch set of controls; the remainder controlled by the BASE QUAD OPTION master switch set.

7. **CALIBRATOR SIGNAL LEVELS:** *Note that two cal signals, one frequency and one waveform are standard features and are required during manufacture for testing and calibration. Optionally you may select an additional cal signal waveform and frequency.*

- a) **PRIMARY CALIBRATOR** ___ μ Vpp & ___ μ Vpp; FREQ ___Hz (16 Hz std) SINE ___ or SQUARE__.
- b) **SECONDARY CALIBRATOR** (\$) FREQ ___Hz (16 Hz std) SINE ___ or SQUARE__.

OPTIONAL (\$)___; An additional calibration signal, a PULSE with an amplitude of ___ μ Vpk, with a pulse width of ___ ms; and, when free-running, at repetition rate of one pulse / ___ sec. This pulse is commanded locally by a front-panel push button and remotely via a TTL command back thru the output cable (requires two lines: COMMAND & GND). All calibrator signals are available from jacks on the BIOAMP and on the optional multifunctional HEADBOX.

8. **BATTERY:** Time required before battery change out ___hrs. (~15 hrs std)

- 9. **OUTPUT CABLE:**
 - STRIP CABLE to: fan-out loose wires. Length: ___ft.
 - (\$)
STRIP CABLE to: a BNC breakout box. Length: ___ft.
 - STRIP CABLE to: ADC-DSP; send specs. Length: ___ft.
 - (\$)
STRIP CABLE to: other; send specs. Length: ___ft.

NOTE: The SAI BIOAMP has a fixed output pin configuration using 25-pin sub-D connectors. Adaptive output cables are then supplied terminating into various connectors or loose-wires. If SAI receives detailed pin-out information for interfacing into your ADC/DSP, a cable will be supplied connecting the output directly into your processing device; also specify data for connecting to the BIOAMP TTL STATUS FLAG output and its GND and any additional remote control TTL commands. This information can be sent at a later date if desired; however if timely and detailed information is not forthcoming, SAI *CANNOT SUPPLY THIS CABLE WITH YOUR SYSTEM.*

10. **OTHER OPTIONS** (\$): QRS BLANK/FILL (EMG), SCL, SCR, GSR, TEMP, RESPIRATION, FINGER PULSE, EAR PULSE, PRESSURE, MOVEMENT, REMOTE-CONTROL OF MODE (NORMAL/CAL) AND/OR AMPLIFIER PARAMETERS; **DETAIL YOUR REQUIREMENTS ON A SEPARATE SHEET.**

11. **ADDITIONAL CHANNELS:** Do you intend to eventually increase the number of channels in this system?___; if so, to how many channels:___.