



“We have seen the future...and we can fix it”

## STRAIN GAUGE PHONO CARTRIDGE & PREAMPLIFIER SYSTEM SG-600 & SG 610



- ◆ Frequency response to 50 KHz.
- ◆ Novel Displays for force per groove wall, record eccentricity and

downward tracking forces.

- ◆ Line level output, fixed and variable, Balanced and Unbalanced (RCA output jacks)
- ◆ Automatic “Cue Up” muting (rear switch defeatable)
- ◆ Remote control for volume, mute, power (on the SG-410 model)
- ◆ Front panel “light-touch” switches for power and manual muting
- ◆ Lucite volume knob changes color to indicate the state: Red (standby); Yellow (auto-mute); flashing Yellow (manual mute); Blue (unmuted - playing)
- ◆ Front panel illumination level controls for automatic and manual light levels



*Preamplifier SG-600 & SG-610*

### *Strain Gauge Phono Cartridge*

- ◆ Ultra-light tracking force with extreme precision
- ◆ Ultra low moving mass (no coils/magnets or iron used to generate the signal)
- ◆ Compatible with standard "4 wire" tone arm wiring
- ◆ Replaceable Nude "Contact-Line" Nude Elliptical and Bonded Elliptical Styli available
- ◆ High Compliance suspension allows compatibility with any tonearm
- ◆ VTA and Azimuth adjustable on the side of the cartridge body



*Strain Gauge Cartridge*

*System Price includes Strain Gauge Cartridge and SoundSmith SG Preamp*

# TECHNICAL SPECIFICATIONS:

## *Strain Gauge Phono Cartridge System*

### *SG-600 & SG-610*

*What is a "Strain Gauge" cartridge, and as a vinyl enthusiast and music lover, why should I be interested??*

◆ **Accuracy.** In all other cartridges, the stylus is connected to, and must move a "moving mass" such as a magnet, iron or armature to generate a voltage. Due to inertia, this mass keeps the stylus from being in perfect contact with the groove walls; it jitters and bounces. If the stylus can't stay in contact with the groove walls, you can't hear what's truly on the record.

◆ The Strain Gauge doesn't have a large "moving mass" - instead, two tiny silicon beams sense the cantilever position, and change electrical resistance. There is nothing keeping the stylus from staying in intimate contact with the record groove walls. No jittering, no bouncing. This is only one reason why the Strain Gauge is so exciting.

◆ To further the Strain Gauge's exacting performance, our new body design allows the user to easily adjust the VTA (vertical tracking angle) and Azimuth using screwdriver slots in the side of the cartridge body itself.

◆ Unlike other high-end cartridges, the Soundsmith Strain Gauge cartridge has user replaceable styli available in various configurations and compliances.



#### **Soundsmith SG preamps:**

◆ Our Lucite Volume control changes from yellow to blue when the system senses a record being played as we feature "automatic mute/unmute". This circuit senses when a record is being played, as well as protects against a loud pop or transient if the stylus is dropped on the record; it also eliminates the start-up pops when recording to analog or digital mediums.

◆ The Soundsmith SG preamps are line output devices, and feature both balanced and unbalanced outputs via RCA jacks. It is a complete cartridge preamp; you do not

need an additional RIAA preamp. Any of our preamps will work directly into an amplifier, or any line input.

◆ Our entry level models SG-400 & SG-410 are functionally and sonically identical to the SG-600 & SG-610, but do not feature performance displays or front panel lighting intensity control.

All preamplifier models are 16" x 16" x 3.5" high; external power supply is 8" deep, 3" tall, 6" wide. *Soundsmith's Strain Gauge cartridge is sold with one of five models of specialized preamp designs.*



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