



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

STRAIN GAUGE PHONO CARTRIDGE & FULL FUNCTION PREAMPLIFIER SYSTEM SG-810



Strain Gauge Phono Cartridge

- ◆ Low tracking force (1-1.4 grams)
- ◆ 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" stylus w/Ruby Cantilever (varied stylus types available)
- ◆ High Compliance suspension allows compatibility with any tonearm
- ◆ VTA and Azimuth adjustable on the side of the cartridge body



Strain Gauge Cartridge

Preamplifier System SG-810

- ◆ Full function 5 input preamp; (SG, 4 line inputs & tape monitor)
- ◆ Novel displays: force per groove wall, downward tracking forces, & record eccentricity
- ◆ Frequency response to 50 KHz
- ◆ Line level output, fixed & variable, Balanced & Unbalanced (RCA output jacks)
- ◆ Automatic “Cue Up” muting (rear switch defeatable)
- ◆ Remote control & front panel touch switches for volume, mute, power & input
- ◆ 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

System Price includes Strain Gauge Cartridge and SoundSmith SG Preamp

TECHNICAL SPECIFICATIONS: Strain Gauge Phono Cartridge System SG-810

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 in various configurations and compliance.



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 three top models SG-810, SG-610 and SG-600 feature novel displays: force per groove wall, record eccentricity and downward tracking forces.

◆ Our entry level models, SG-400 & SG-410 are sonically identical with all models, but are supplied without performance displays and 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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