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SigGen5 Description:

SigGen 5 is a signal generator for use in the Luthiery Shop for Chladni Testing, Plate Tuning, wood testing and other uses. Its small size makes it ideal to fit in a small space on the bench, or for use when traveling to shows and exhibitions. When connected to a speaker, it provides sufficient power at a known frequency for use in vibrating individual plates or completed instruments to locate their resonances.

The unit generates a digitized sine wave signal, to an accuracy of 0.01 Hz, and a 25 or 45 Watt Audio amplifier to drive a speaker. The **Siggen 5 is designed to work with 8 ohm speakers.**

The unit's design is based on using a Microprocessor chip to control the sine wave generation and the LCD display to indicate the frequency. **The unit also has an alternate display in Octave, Note and Cents format covering 10 Octaves.** The unit also displays the voltage input from a high impedance microphone plugged into the front panel, as well as the output voltage to the speaker. The unit provides for **16 stored frequencies**, to provide quick changing between desired frequencies which the user may store.

When using the unit at high output levels use EAR Protection to protect your HEARING. The unit gets hot in the back; please provide ventilation for the heat sink.

Specifications for signal generator SigGen 5:

Input: 110-120/220-240 Volt AC

Output: Digitized Sine Wave 10 Hz to 20 KHz, 0.01 Hz accuracy Power measured at 200 Hz.
Siggen 5L: 25 Watts RMS into 8 ohms. Siggen 5H: 45 Watts RMS into 8 ohms.

Frequency Display: 0.005 Hz Resolution
Amplitude Display: 0.05 Ac V Resolution
Microphone input Display: 0.49 Ac Mv Resoulution
Cents Display: 10 Octaves, 12 notes, +/- 50.00 Cents

Size: 8.25"L x 3.5" H x 7.75" D

Controls:

INCREMENT: 16 position digital switch to select one of 8 increments for frequency adjustment.

STORED FREQUENCY: 16 position digital switch that selects one of 16 stored frequencies.

OUTPUT: Potentiometer to control output amplitude.

FREQUENCY: 16 position digital switch for adjustment of frequency.

LCD DISPLAY: Backlight display displays the Output Frequency (Freq xxxxx.xxx),

Dual Function: Amplitude of the microphone input (In) and amplitude of the output (Sp).

Or: Octave, Note, Cents display (Oct o nn ccc.cc)

POWER/ON/OFF: AC power on/off switch.

SPEAKER: 2-conductor Phone Jack connection to a speaker.

MIC: High impedance Microphone input jack. Typically a Radio Shack Lapel microphone.

MUTE: Pushbutton Switch to Mute the amplifier output.

STORE: Pushbutton Switch to store the displayed frequency in the selected stored frequency location.

RECALL: Pushbutton Switch for recalling the stored frequency at the selected stored frequency location.

CENTS: Pushbutton Switch that toggles between meter readings or cents display of 10 Octaves.

FUSE: Fuse for AC power. 1.5 Amp Fast acting Fuse for 110/120 VAC, 1.0 Amp for 220/230 VAC

Price: Siggen 5L (25 Watt version) \$500.00 + Shipping if outside the US
Siggen 5H (45 Watt version) \$500.00 + Shipping if outside the US

