

Signal Generator/Power Amplifier

Model PA5100

The PA5100 Signal Generator / Power Amplifier is specifically designed to power the ES020 Electromagnetic Shaker. The Signal Generator generates both high quality sine waves and real white noise, and accepts an external signal for amplification. Combining the signal generator and power amplifier into one unit saves room on the laboratory tabletop and provides additional ease of use.

Applications

- Testing loudspeakers, microphones, hearing aids and hydrophones
- Driving electromagnetic shakers for noise and vibration experiments
- Anechoic chamber and reverberation room experiments
- Acoustic filter experiments and Acoustic phase matching



Features

- True white noise output for accurate experiments
- Current-limited output to protect an electromagnetic shaker
- Easy-to-read lighted amplitude display
- Precise sinewave generation from 20 Hz to 20 kHz

Specifications

Sine Function Frequency Range:	20 Hz to 20 kHz
Digital LED Frequency display:	20 Hz to 20 kHz, sampling time 10/second
Display Tolerance:	+/- 1 digit
Sinewave Frequency Response Error:	+/- 0.035 dB
Amplitude Deviation Under Load:	< 0.3%
Sinewave External Output Amplitude:	1 Vrms +/- 0.003 V (not amplified)
Current Protection Limit:	2.5 A
Power input:	110V +/- 10V, 60 Hz
Size:	360x207x120 mm
Weight:	5 kg
Ambient Operating Temperature:	0 deg C to 40 deg C

Product information:
KCF Technologies, Inc.
www.kcftech.com
112 W. Foster Avenue
State College, PA 16801
TEL: 814-867-4097
FAX: 814-238-1875

North American Sales & Support:
Scantek Inc.
www.scantekinc.com
7060 Oakland Mills Road, Suite L
Columbia, MD 21046
TEL: 410-290-7726
FAX: 410-290-9167