



Acoustical Surfaces, Inc.

SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS

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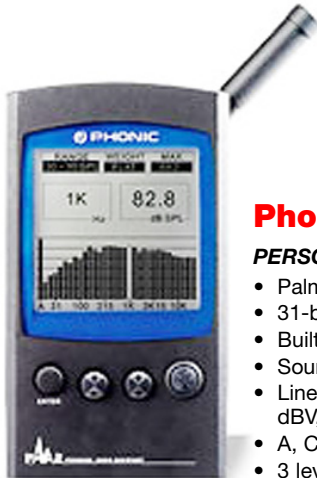
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We Identify and **S.T.O.P.** Your Noise Problems

SOUND LEVEL METER

PHONIC PAA2

Phonic PAA2 Spectrum Analyzer (Personal Audio Assistant)



Phonic PAA2 Features

PERSONAL AUDIO ASSISTANT

- Palm Size Audio Analyzer
- 31-band Real Time Spectrum Analyzer
- Built-in calibrated measurement microphone
- Sound Pressure Level Meter from 30dB~130dB
- Line signal measurement display in dBu, dBV, or Voltage
- A, C weighting or flat
- 3 level range selection for dB SPL and line signal
- Line signal measuring range:
 - dBu = -50 ~ +40dBu
 - dBV = -52 ~ +38dBV
 - Volts = 5mV ~ +80V
- Maximum level display
- Peak hold display
- 4 standard response times:
 - 35ms
 - 25ms (F)
 - 250ms (M)
 - 1 sec (S)
- 10 memories for measurement and 6 for average calculation
- 31-band EQ setting level display (boost/cut)
- 160 x 160 graphic display with back light and contrast adjustment
- Phase checker
- SPL meter Calibration through sound level calibrator (eg: B & K Type 4231)
- Noise generator with pink noise, 1K Hz and polarity test signal, balanced output
- Low power consumption for over 4 hours continuous operation with 4 AA size alkaline batteries (Adapter power supply operation available. When power is used from adapter, it automatically cuts off battery power)
- 3 power modes:
 - (1) Power saving mode: Auto Off-when none of the buttons has been pressed for 15 minutes
 - (2) Manual Off
 - (3) Off
- XLR input and output sockets
- RS232 communication port, for simultaneous operation through laptop or PC
- Includes CD-ROM with audio test signals and software for PC

Phonic PAA2 Specifications

Input/Output

- Microphone: Built-in miniature omni direction condenser microphone
- Line: XLR jacks for line input and output
- Data Port: 3.5mm mini stereo phone jack for

Display

- 160X160 LCD screen with contrast adjustment and back light
- SPL, dBu, dBV, Voltage: Bar graph and digit display
- RTA: 31-band, 0.5dB resolution Center frequencies ISO standard from 20Hz to 20KHz

Measurement Range

- SPL (Microphone input): 30 to 130 dB SPL
- dBu (Line input): -50 to +40 dBu
- dBV (Line Input): -52 to +38 dBV
- Voltage (Line Input): 5 mV to 80 V

Setting

- Weighting: A, C or Flat
- Peak Hold: ON/OFF
- Maximum Level Display: RESET
- Response Time: 35 ms, 125 ms, 250 ms, 1 sec

Other Functions

- Memory: 10 RTA+ 6 average calculation
- Average Calculation: For 10 RTA
- EQ Setting Value Display: 31-band
- Phase Checker: Through polarity signal
- Transmission: Simultaneous operation with PC or laptop through RS-232

Noise Generator (Based on 6VDC power source)

- Pink Noise: Balanced output, -10dBu
- 1K Hz Signal: Balanced output, -10dBu
- Polarity: Signal Balanced output, -10dBu

Power Source

- 4 x AA batteries
- Battery Life: 4hrs with alkaline battery
- Or External 6 VDC adapter

Dimensions (HxWxD)

- 5.7"X3.26"X1.55" (144.95 x 82.95 x 39.42mm)
- Weight (with batteries)
- 0.74 lbs. (340 g)