



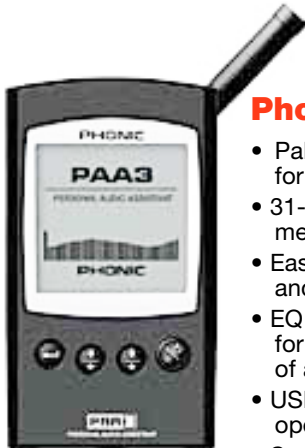
CASCADE AUDIO ENGINEERING  
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**Phonic PAA3™**

Category: Sound Level Meters

# Technical Data Sheet

## SOUND LEVEL METER **PHONIC PAA3** Handheld Audio Analyzer with USB



### Phonic PAA3 Features

- Palm-sized, lightweight audio analyzer for all sound engineers
- 31-band spectrum analyzer, RT60, SPL meter, and more
- Easy operation with built-in microphone and generator
- EQ setting calculation offers advice for boosting and cutting at the touch of a button
- USB interface allows real-time computer operation
- Seven hours of continuous operation with four AA batteries
- 31-band Real Time Spectrum Analyzer allows Db analysis of offending frequencies
- 31-band EQ setting value display (Boost/Cut)
- T60 measurement
- Built-in calibrated measurement microphone
- Phase checker
- Noise generator with pink noise, 1kHz and polarity test signal, balanced output
- Memory and average calculation function
- SPL meter calibration through sound level calibrator
- Sound Pressure Level Meter from 30 dB~130 dB
- Line signal measurement display in dBu, dBV, or Volts (AC)
- SPL meter and level meter have three level range selections
- Maximum level, Peak hold displays
- XLR input and output sockets
- USB interface for desktop software control
- Audio test signal CD and supporting software
- Three power modes: (1) Power Save (2) On (3) Off
- Operates seven hours with four AA batteries

### Phonic PAA3 Specifications

#### INPUT/OUTPUT

- Microphone: Built-in miniature omni direction condenser microphone
- Line: XLR jacks for line input and output
- Data Port: USB 1.1 interface

#### 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

- RT60: Reverberation time display, up to 30 seconds
- Memory: 10 RTA+ 6 average calculation
- Average Calculation: For 10 RTA memories
- EQ Setting Value Display: 31-band
- Phase Checker: Through polarity signal
- Transmission: Simultaneous operation with PC or laptop through USB port

#### NOISE GENERATOR (Based on 6VDC power source)

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

#### POWER SOURCE

- 4 x AA batteries
- Battery Life: (Up to 7 hours with alkaline batteries)
- External 6 VDC adapter

#### DIMENSIONS (HXWXD)

- 5.7 x 3.26 x 1.55 inches  
(5.7144.95 x 82.95 x 39.42 mm)

#### WEIGHT (with batteries)

- 0.78 lbs. (354 g)