AUDIO TESTING

PAA6

The dual-channel, digital PAA6 tester offers nine critical audio and signal analyzer functions all accessed through a color touch-screen with computer connectivity and onboard memory. The PAA6 incorporates significantly improved versions of real time spectrum analyzer, RT60, tone generator, LEQ, EQ setting and Phase checking from the PAA3. Moreover, the PAA6 audio tester provides engineers with an even wider array of essential sound analysis tools than ever before - now adding FFT, THD+N, Polarity and Scope functions to the mix, as well as two built-in mics that can take highly accurate measurements from multiple positions. A USB 2.0 connector and SD card slot have been included to transfer information to and from your computer. This feature-rich, professional audio tester is sure to satisfy even the most discerning professional audio engineer and is ideal for live/industrial sound, regulatory purposes and product development.

PAA6

2-Channel Audio Analyzer with Color Touch LCD

- Powerful dual channel palm-size audio analyzer
- 480 x 272 color LCD touch screen
- Two built-in measurement condenser mics
- Tone generator includes pink noise, white noise, sine wave, sweep, polarity, triangle and square
- Useful functions include RTA, LEQ, RT-60, FFT, THD+N, Polarity, Phase, Scope and Meter (dB SPL, dBu, dBV, Volt)
- Elegant graphical user interface
- Long-lasting rechargeable lithium-ion battery system
- USB 2.0 port and SD card slot included for storing and retrieving data
- 30 to 130 dB SPL meter
- ANSI S1.4 Type 2 & IEC 61672 Type 2
- 144.95 x 82.95 x 39.42 mm (5.7" x 3.26" x 1.55") \ 54 g (0.78 lbs)

RTA

Take measurements in real-time in resolutions of 1, 2/3, 1/3 and 1/6 octaves at varying weightings and response times.

FFT

The Fast Fourier Transform acts as a high resolution real time analyzer with a much wider frequency range and fast response time.

RT60

Measure the reverb time of any room and view a standard reverb graph with a time and level axis. Also allows users to refine results to filter particular frequencies.

THD+N

Run a test tone through any piece of audio equipment and back to the PAA6 to read the standardized total harmonic distortion plus noise results of that unit.

Meter

Measure sound pressure, dBu, dBV and voltage levels through this highly accurate meter. Take sound pressure level measurements between 30 and 130 dB SPL; dBu measurements between -85 and 25 dBu; dBV between -87.2 and 22.8 dBV, and; Voltage measurements can be taken between 0.0436mV and 13.8V.

Phase

View the phasing of two signals through this accurate graph, updated in real-time.

Scope

View the waveform of any signal through this oscilloscope. Horizontal division time and level range are both user definable, and users can zoom in and out to better view the waveform.

Polarity

Check the polarity of any loudspeaker with this function. The polarity signal can be taken from the PAA6's own signal generator, or the PAA6 take measurements with any standard polarity signal.

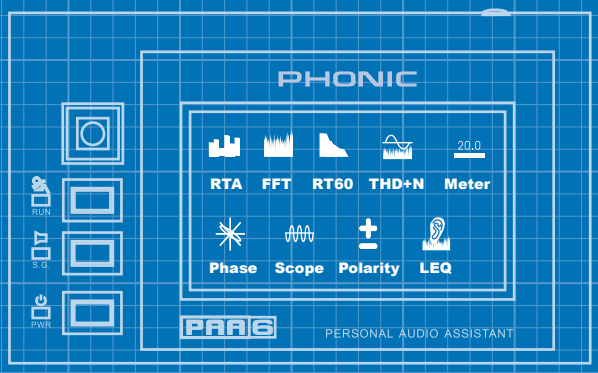
LEQ

Find the equivalent continuous noise level of a room or other venue over a period of time. Measurements can be taken anywhere between 1 minute and 48 hours.

SNEAK PEAK!

iPAA6

Coming in 2010: The iPAA6 is a detailed audio analysis program that can be loaded onto any PC or Mac computer and taken to any gig, live venue or other place where a large array of audio analysis tools will be required. Use any number of external digital audio interfaces to run signals to and from the iPAA6 software, connect and calibrate your own detailed measurement microphone, and take quick and accurate measurements. Using the Phonic's fantastic PAA6 audio analyzer as its basis, and including many similar measurement tools like RTA and FFT analysis, the iPAA6 is set to become the must-have program for engineers on the go.



RTA Measurements in resolutions up to 1/6 of an octave, with user-definable weightings and response times.

EQ Setting Calculate the best curve for your multiband equalizer to ensure your setup offers a flat response.

FFT Ultra high resolution real time analyzer, clearly showing the harmonic distortion surrounding any signal.

RT60 Measure reverb time and view a detailed reverb graph with time and level axis.

THD+N Calculate the standardized total harmonic distortion plus noise results.

Meter Measure sound pressure, dBu, dBV and voltage levels.

Phase View the phasing of two signals, updated in real-time.

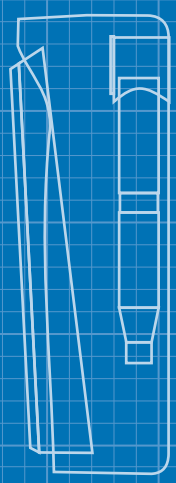
Scope The waveform of any signal displayed using the onboard oscilloscope.

Polarity Measure to insure that speakers or other equipment is wired correctly

LEQ Find the equivalent continuous noise level of any area -- up to 48 hours.

Setting Precisely calibrate the onboard microphones through the settings menu yourself.

Signal Generator
Test signals for on-the-go analysis



The dual-channel, digital PAA6 tester offers nine critical audio and signal analyzer functions all accessed through a color touch-screen with computer connectivity and onboard memory. These nine functions give everything you need to set up a live gig, tune up studios, test speakers, voltage···just about anything you can imagine. Ideal for live/industrial sound, regulatory purposes and product development.

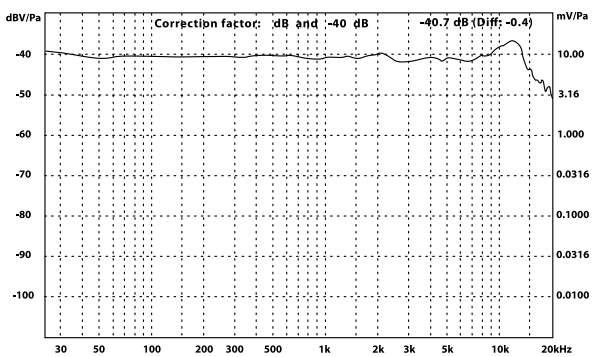
PHONIC

PAA3

PAA3

Handheld Audio Analyzer with USB 2.0 Interface

The PAA3 is a highly accurate handheld audio analyzer that gives sound engineers a rich array of sound analysis tools. Features include 31-band real time spectrum analysis, RT60, SPL and line meter, internal generator, EQ setting program, microphone calibration and speaker phase checking abilities. All functions and menus can be accessed through a central jog dial, leaving your other hand free to adjust audio settings. Easily upload information and settings to your computer via the built-in USB interface. The large LCD screen has a visible backlight to help you see in dark environments. With a battery life of 7 hours, the PAA3 is a multifunctional tool for every serious audio engineer.



Microphone Frequency Response

- SPL meter calibration through sound level calibrator
- 4 standard response time
- 3 power modes: (1) Power Save (2) On (3) Off
- Audio test signals and desktop control software on CD-ROM
- Sound Pressure Level Meter from 30 dB~130 dB
- Line signal measurement display in dBu, dBV, or Volts (AC)
- 3 level range selection for dB SPL and line signal
- Maximum level display
- Peak hold display
- Adapter operation available
- 7 hours continuous operation with 4 AA batteries
- 31-band Real Time Spectrum Analyzer
- RT60 measurement
- Built-in calibrated measurement microphone
- Phase checker
- 31-band EQ setting value display (Boost/Cut)
- Memory and average calculation function
- USB 2.0 and XLR input and output sockets
- Noise generator with pink noise, 1 kHz and polarity test signal, balanced output
- 174.5 x 40 x 105.5 mm (6.89” x 1.57” x 4.17”) \ 465 g (1 lbs)