

## PAA6

Digital 2-Channel Audio Analyzer with Color Touch LCD



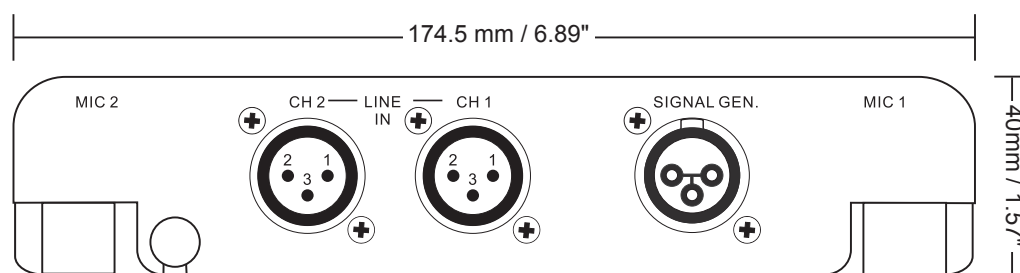
## Features

- ▶ Powerful dual channel palm-size professional audio analyzer
- ▶ 480 x 272 color LCD touchscreen
- ▶ Detailed graphical interface
- ▶ Two built-in omnidirectional condenser microphones
- ▶ RTA function
  - o Selectable resolution between 1, 2/3, 1/3 and 1/6 octave
  - o A, B, C and flat weightings
  - o dB (SPL), dBu, dBV and voltage measurements possible
  - o Add or subtract channels
- ▶ LEQ
  - o Time adjustable up to 2 days
  - o 1 octave resolution
- ▶ Level meter
  - o Measures SPL, dBu, dBV and voltage
  - o Maximum level display with reset button
- ▶ RT-60
  - o 13 frequency filters settings
  - o A, B, C or flat weightings
  - o RT-60 chart and time
- ▶ FFT with user-selectable range
- ▶ Accurate THD+N measurement
- ▶ Polarity for measuring speakers and wiring
- ▶ Check phase between two signals
- ▶ Detailed oscilloscope
- ▶ Measurements for most functions can be taken by dB SPL, dBu, dBV & volts
- ▶ Tone generator with user adjustable frequencies and level
  - o Pink noise
  - o White noise
  - o Sine wave
  - o Triangle wave
  - o Square wave
  - o Sweep
  - o Polarity
- ▶ Long-lasting rechargeable lithium-ion battery system
- ▶ USB port and SD card slot included for storing and retrieving data
- ▶ Beta interface software now available
- ▶ DC power supply included

## Description

The PAA6 is an advanced, two-channel digital handheld professional audio analyzer from Phonic. All functions and menus are easily accessed through a 480 x 272 color touch-screen display. The PAA6 inherits significantly improved functions from the other popular models in the Phonic audio analyzer family, including real time spectrum, RT60, tone generator, LEQ, EQ setting and phase checking. Moreover, the PAA6 audio tester provides engineers with an even wider array of essential sound analysis tools than ever before - now adding SLM, FFT, THD+N, and scope functions to the mix, as well as two built-in mics that can take highly accurate measurements in any given situation. A USB connector and SD card slot have been included to assist in transferring information to and from your computer. This feature-rich, portable audio tester is sure to satisfy discerning professional audio engineers, regulatory enforcement agencies and product development teams.

### Dimension



### Specifications

RTA	Frequency	20 Hz - 20 kHz, and All Frequency
	Unit	dB SPL, dBu, dBV, Volt
	EQ Setting	EQ Cut or Boost
	Subtract/Sum	CH1+CH2, CH1-CH2, CH2-CH1
	Peak Hold	Off, 0.5 ms, 1 Sec, 2 Sec, 4 Sec, Continue
	Frequency Detect	On, Off
	Dynamic Range	30 ~ 130 dB. 60 dB display range, eg. 70 ~ 130, 60 ~ 120, 50 ~ 110
	dB-scale setting	+/- 5dB setps on Y-Axis
	Octave	1/1, 1/3, 2/3, 1/6
	Weighting	A, B, C, Flat
FFT	Frequency Range	13 selectable bandwidths
	Unit	dB SPL, dBu, dBV, Volt
	Subtract/Sum	CH1+CH2, CH1-CH2, CH2-CH1
	Peak Hold	Off, 0.5 ms, 1 Sec, 2 Sec, 4 Sec, Continue
	Frequency Detect	On, Off
RT-60	Octave	1/1, 1/3, 2/3, 1/6
	Weighting	A, B, C, Flat
	Unit	dB SPL, dBu, dBV, Volt
THD+N	Trigger	Internal, External
	Weighting	A, B, C, Flat
Meter	Unit	dB SPL, dBu, dBV, Volt
	Level Range	30 ~ 130 dB SPL, -85 ~ 25 dBu, -87.2 ~ 22.8 dBV, 0.0436mV ~ 13.8V
	Max	Peak Hold
Phase	Phase Degree	Phase Correlation (out of phase or in phase)
	Trigger	CH1+CH2, CH1-CH2, CH2-CH1
Oscillator Scope	Mode	Auto, Normal
	Unit	dB SPL, dBu, dBV, Volt
	Polarity checker	Negative, Positive
Polarity	Unit	dB SPL, dBu, dBV, Volt
	Weighting	A, B, C, Flat
LEQ	Selectable Frequency	31.5Hz, 63Hz, 125Hz, 250Hz, 500Hz, 1KHz, 2KHz, 4KHz, 8KHz, 16KHz
	Microphone	Built-in condenser mic x 2
Input/Output	XLR input x 2 (Balanced/Unbalanced), XLR output x 1 (servo Balanced)	
Interface	USB High Speed 2.0 interface	
Display	480 x 272, 16-bit, full color touch screen	
Memory	DC3.7V-2200mah	
Generator	3 Hours	
THD+N	3 Hours	
Input Impedance	100 Kohm balanced, unbalanced	
Input RMS	+25 dBu balanced, unbalanced	
DC Input	5V	
Display	480 x 272, 16-bit, full color touch screen	
Batteries	DC3.7V-2200mah	
Batteries Life	3 Hours	
Battery Charging Time	3 Hours	
Dimensions (WxHxD)	174.5 x 40 x 105.5mm (6.89" x 1.57" x 4.17")	
Weight	460g (1 lbs)	