

**More  
than a  
Black box!**



**PSI**  
AUDIO



Designed and manufactured in Switzerland in our Yverdon workshops, our latest generation of speakers are the culmination of a unique knowledge of materials and treatments. A thorough understanding of acoustics is our guideline, since the launch of the PSIAudio brand in 1977.

“Our vision is to be globally recognized as pioneers in precision audio combining innovation, creativity and technology.”

At the core of our speaker performance is an electronic design based on two exclusive concepts. The CPR system (Compensated Phase Response) consists in several all pass filters, each acting in a specific range of frequency in order to obtain a wide area of linear phase response. The AOI system is constituted by an automatic control system as well as by a feedback reaction filtering, which allows the whole frequency range to be rendered with no transducer coloring.

The PSC (Phantom standby Control) detects the input Phantom voltage in order to switch the loudspeaker in standby mode and to provide a better usability.

Prior to packaging and dispatch, every speaker has to pass through our purpose built anechoic chamber. All products are tested with a complete audio performance program; ensuring that perfect manufacturing tolerances have been achieved. Every speaker is shipped with a comprehensive printout of its measured audio performance; this is the PSI Audio guarantee of excellence and quality.

## Features

- ▶ Metal handle for easy handling, for mic stand or wall mounting.
- ▶ Volume control on the front panel.
- ▶ Magnetically compensated for use close to monitors.
- ▶ Real balanced input.
- ▶ Protection circuits.
- ▶ ADI system for superior impulse behaviour.
- ▶ CPR system for highly precise stereo image.
- ▶ PSC : Phantom standby control.

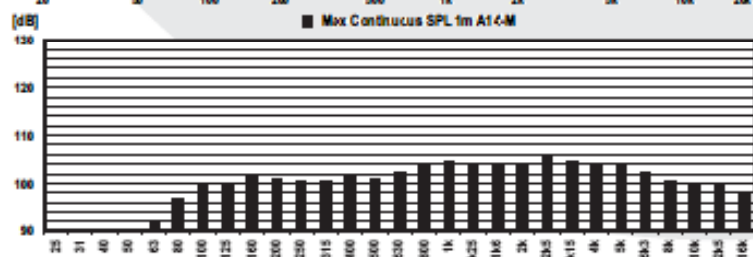
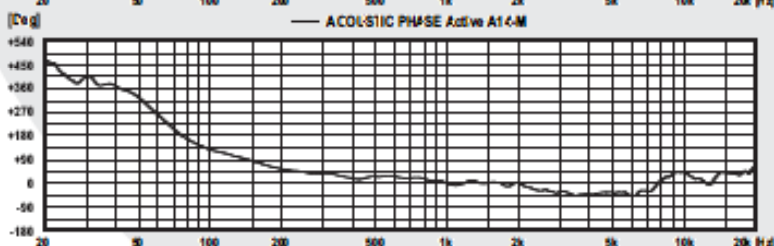
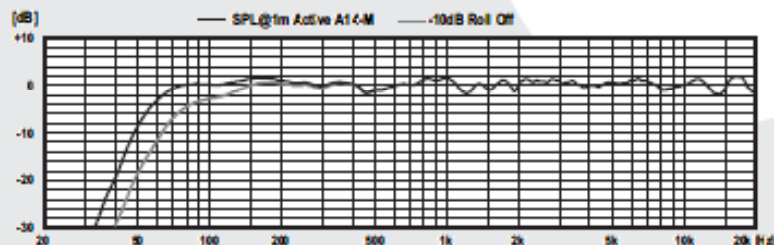
## Technical Data

Power RMS	70+30 W
Program power	100 W
Continuous Max SPL, 1m	101 dB (single)
Program Max SPL, 1m	112 dB (pair)
Response at -6dB	56 - 22000 Hz
Tolerances	±2.5 dB (65Hz - 18kHz)
Phase tolerances	±45° (260Hz - 16kHz)
Dispersion (P.N. 4 - 16 kHz) at -6 dB	100° x 100° (H x V)
Crossover frequency	3.5 kHz
Woofers dim. Ext. / Diaphragm	Ø 147 mm / Ø 104 mm
Tweeters dim. Ext. / Diaphragm	Ø 70 mm / Ø 20 mm
Dimensions cabinet W x H x D mm	163 x 243 x 170
Net Weight	5.5 Kg

Further information: [www.psiaudio.com](http://www.psiaudio.com)



# A14-M





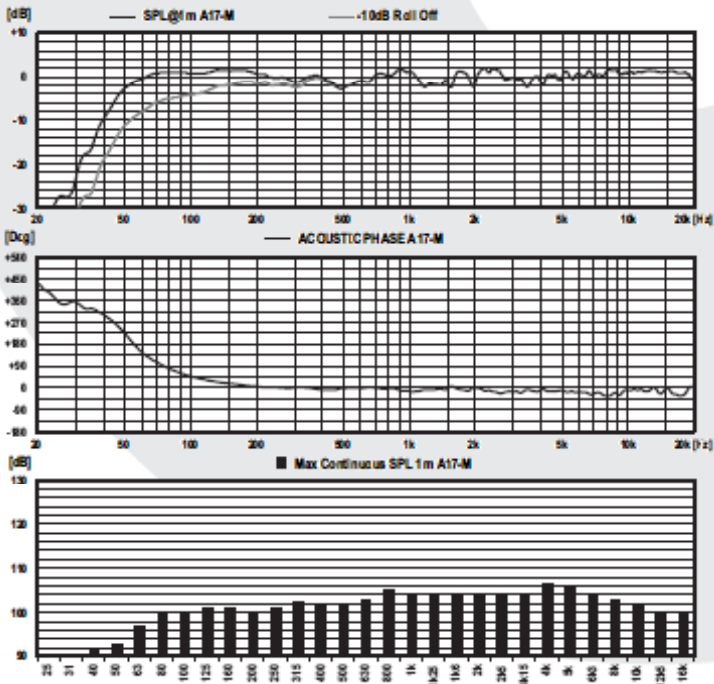
# A17-M

## Features

- ▶ Very large bandwidth in a compact cabinet.
- ▶ Magnetically compensated for use close to monitors.
- ▶ Real balanced input.
- ▶ Protection circuits.
- ▶ ADI system for superior impulse behaviour.
- ▶ CPR system for highly precise stereo image.
- ▶ PSC : Phantom standby control.

## Technical Data

Power RMS	80 + 40 W
Program power	120 W
Continuous Max SPL, 1m	104 dB (single)
Program Max SPL, 1m	115 dB (pair)
Response at -6dB	44 - 23000 Hz
Tolerances	±2.5 dB (50Hz - 20kHz)
Phase tolerances	±45° (150Hz - 20kHz)
Dispersion (P.N. 4 - 16 kHz) at -6 dB	90° x 90° (H x V)
Crossover frequency	3.6 kHz
Woofers dim. Ext. / Diaphragm	Ø175 mm / Ø130 mm
Tweeter's dim. Ext. / Diaphragm	Ø 100 mm / Ø 25 mm
Dimensions cabinet W x H x D mm	200 x 320 x 230
Net Weight	8.4 Kg



Further information: [www.psi.audio.com](http://www.psi.audio.com)



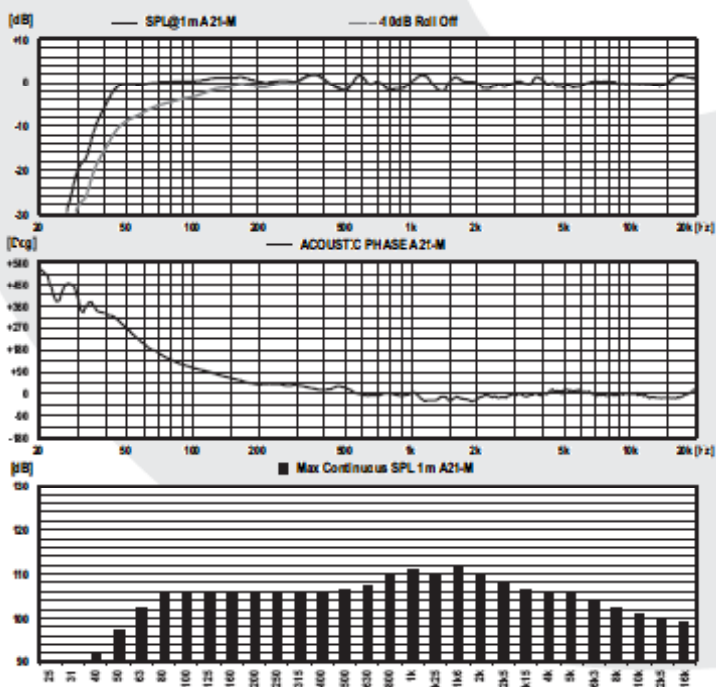
# A21-M

## Features

- ▶ Very high SPL in a compact cabinet.
- ▶ Compatible with industry standard mounting systems.
- ▶ Magnetically compensated for use close to monitors.
- ▶ Real balanced input.
- ▶ Protection circuits with overload indicator.
- ▶ ADI system for superior impulse behaviour.
- ▶ CPR system for highly precise stereo image.
- ▶ PSC : Phantom standby control.

## Technical Data

Power RMS	100 + 50 W
Program power	150 W
Continuous Max SPL, 1m	108 dB (single)
Program Max SPL, 1m	119 dB (pair)
Response at -6dB	40 - 23000 Hz
Tolerances	±2 dB (44Hz - 20kHz)
Phase tolerances	±45° (180Hz - 20kHz)
Dispersion (EN. 4 - 16 kHz) at -6 dB	90° x 90° (H x V)
Crossover frequency	2.4 kHz
Woofer's dim. Ext. / Diaphragm	Ø 217 mm / Ø 170 mm
Tweeter's dim. Ext. / Diaphragm	Ø 100 mm / Ø 25 mm
Dimensions cabinet W x H x D mm	250 x 400 x 300
Net Weight	12.8 Kg



Further information: [www.pisiaudio.com](http://www.pisiaudio.com)



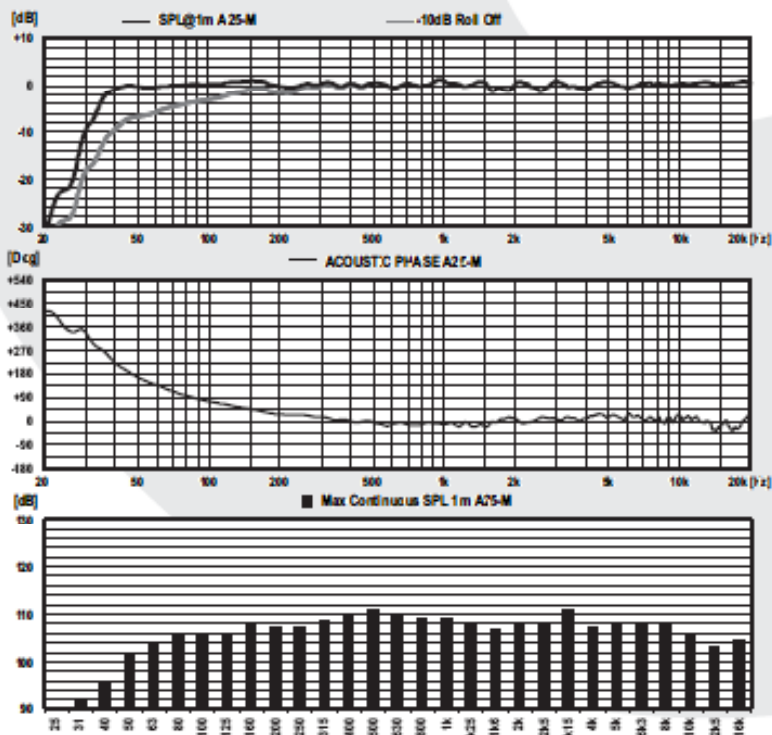
# A25-M

## Features

- ▶ Tweeter unit hand made by PSI Audio.
- ▶ Rotation of mid-range section for horizontal use.
- ▶ Compatible with industry standard mounting systems.
- ▶ Magnetically compensated for use close to monitors.
- ▶ Real balanced input.
- ▶ Protection circuits with overload indicator.
- ▶ Class G low temperature amplifier stage.
- ▶ ADI system for superior impulse behaviour.
- ▶ CPR system for highly precise stereo image.
- ▶ PSC : Phantom standby control.

## Technical Data

Power RMS	170+80+50 W
Program power	300 W
Continuous Max SPL, 1m	110 dB (single)
Program Max SPL, 1m	121 dB (pair)
Response at -6dB	32 - 23000 Hz
Tolerances	±1.5 dB (38Hz - 20kHz)
Phase tolerances	±45° (150Hz - 20kHz)
Dispersion (P.N. 4 - 16 kHz) at -6 dB	90° x 80° (H x V)
Crossover frequency	550Hz, 3.2kHz
Woofer's dim. Ext. / Diaphragm	Ø 258 mm / Ø 210 mm
Medium's dim. Ext. / Diaphragm	Ø 142 mm / Ø 102 mm
Tweeter's dim. Ext. / Diaphragm	Ø 100 mm / Ø 25 mm
Dimensions cabinet W x H x D mm	320 x 590 x 380
Net Weight	28.4 Kg
Further information:	<a href="http://www.psiaudio.com">www.psiaudio.com</a>

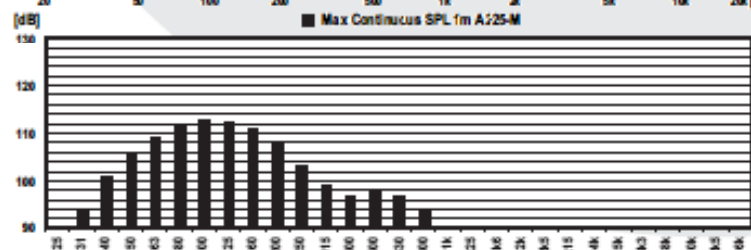
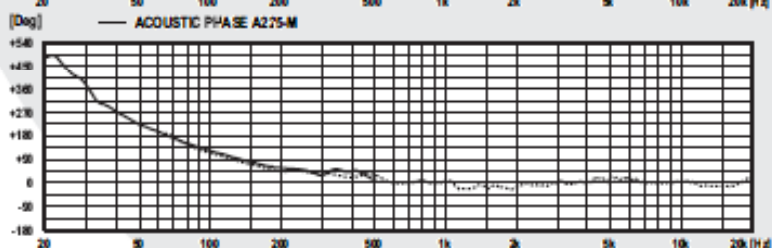
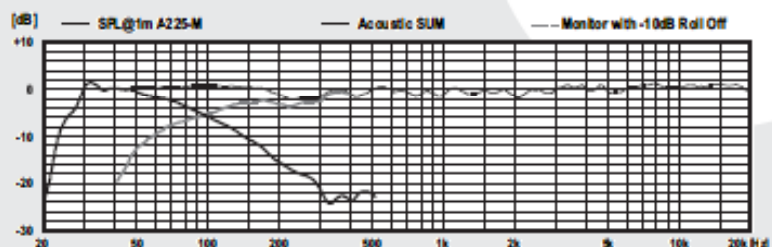




# A 225-M

## Features

- ▶ Compatible with stereo and multichannel monitoring systems.
- ▶ Phase and amplitude response compatible with all PSI Audio monitors.
- ▶ Built in anti-resonance system in a double box cabinet.
- ▶ Magnetically compensated for use close to monitors.
- ▶ Real balanced input with outputs for satellite systems.
- ▶ Protection circuits with overload indicator.
- ▶ Class G low temperature amplifier stage.
- ▶ ADI system for superior impulse behaviour.
- ▶ PSC : Phantom standby control.



## Technical Data

Power RMS	200 W
Program power	300 W
Continuous Max SPL, 1m	111 dB (single)
Program Max SPL, 1m	116dB / half space
Response at -6dB	24 - 100 Hz
Tolerances	±2 dB (20Hz - 65Hz)
Crossover frequency	90Hz
Woofer's dim.	2x Ø 258 mm / Ø 210 mm
Ext. / Diaphragm	
Dimensions cabinet W x H x D mm	320 x 700 x 500
Net Weight	38.4 Kg

Further information: [www.psiaudio.com](http://www.psiaudio.com)

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## Respect of space and sound quality, thanks to CPR (Compensated Phase Response) and AOI (Adaptive Output Impedance)

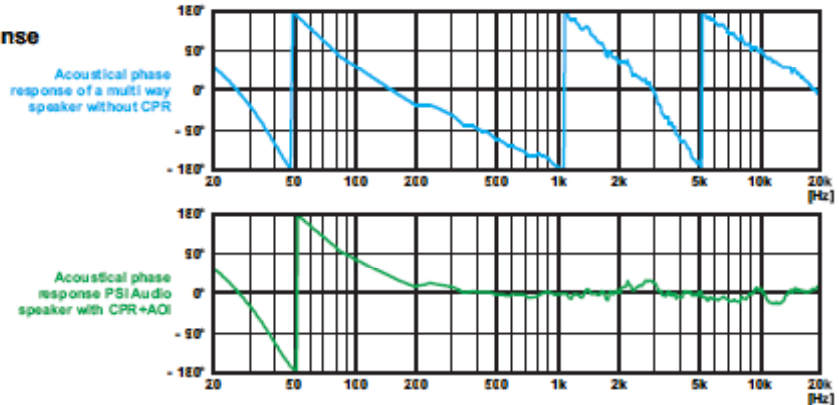
The human ear is able of recognising tones through the transients, as well as the origin of the sources into space. The transient response depends on damping as well as on phase response.

The CPR system consists in several all pass filters who each act in a specific range of frequency in order to obtain a wide area of Compensated Phase Response, this then providing a constant group delay.

The AOI system is composed of a movement detection of the moving coil as well as a feedback filtering. The damping rate is then adjusted according to the frequency.

The association of both CPR and AOI results in an accurate impulse behaviour response and therefore, autorises the combination of different types of PSI Audio speakers in a multichannel installation, for example.

### Phase Response



### Impulse Behaviour

