

Studer A3

Active Near Field Monitor



STUDER
professional audio equipment

The Studer A3 is a high precision active near field monitor. Applying “Group delay compensation” and “Negative output impedance” to a near field speaker represents a true innovation in design philosophy, which makes the A3 speaker an impressive performer in its class.

The high SPL that can be produced over the whole frequency spectrum alongside the impressive frequency response is quite unique for a speaker of that size.

The Studer A Series speakers are also ideal for surround applications. “The Group Delay Compensation” makes the Studer series of speakers ideal for Surround Sound. Mixing and matching of speakers is possible while correct phase response is maintained.

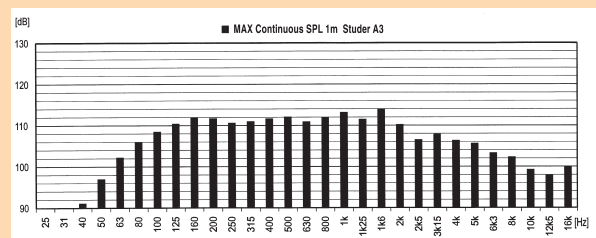
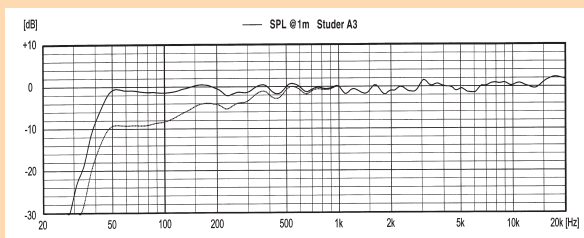
For all applications the A3 introduces a new standard of precision and will certainly change your perception of near field speaker performance.

Key Features:

- High Sound pressure Level over the whole frequency spectrum.
- Flat frequency response.
- High accuracy impulse behaviour due to “Negative output impedance”
- Highly precise Stereo Image as a result of the “Group delay compensation”
- Designed for horizontal and vertical use.
- Prepared for stand and ceiling mounting.
- Protection circuit for each of the drivers.
- Separate amplifier stage for each driver (bi-amplified).
- Rubber mounted non resonant power amplifier.

Technical Data Studer A3

Input	Transformer balanced
Input Impedance	Sym, 5 kOhms
Input Sensitivity for 100 dB SPL @ 1m	0.775 V
Signal to Noise Ratio	-96 dBA
Max. Input Voltage	24 Vpp
Continuous max. SPL, 1m	108 dB
Program max. SPL, 1 m (short term RMS at 1m)	114 dB
Frequency response (at -6 dB)	43- 23000 Hz
Frequency response (48 Hz - 20 kHz)	±2 dB
Distortion THD @ 90 dB SPL/1m	< 1.2 % (48 Hz - 20 kHz)
Dispersion (P.N. 4 - 16 kHz at -6dB)	90° x 90° (H x V)
System	2 Way(s)
Crossover frequency	2.2 kHz
Woofer's dim. Ext. / Diaphragm	Ø 215 mm / Ø 170 mm
Tweeter's dim. Ext. / Diaphragm	Ø 100 mm / Ø 25 mm
Connectors	1 x XLR F / 3P
Dimensions W x H x D mm	250 x 400 x 305
Net Weight	12.8 Kg
Mains	115/230V (50/60 Hz)
Power Consumption	10 - 100 VA
Mean / Max Humidity	< 75 % / < 90 %
Ambient Temperature	5 - 40° C



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<http://www.studer.ch>

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