

QA401 versus JH Audio Analyzer

Features

Feature	QA401	JH Audio A.
Isolated from the PC	✓	✓
Differential I/O	✓	✓
AC coupled input	✓	✓
DC coupled input	✗	✓
AC coupled output	✗	✗
DC coupled output	✓	✓
Overload Protection	✓	✓
Output attenuator, 20 dB steps	✗	✓
Input attenuator, 10 dB steps	✗	✓
Input gain, 10 dB steps	✗	✓
ADC module (customizable)	✗	✓
DAC module (customizable)	✗	✓
192 kHz sample rate	✓	✓
384 kHz sample rate	✓	✗(option)
44.1/88.2/176.4 kHz sample rate	✗	✓
48/96/192 kHz sample rate	✗	✓
Low-noise reference oscillator	✗(option)	✓
ASIO support	✗	✓
Prepared for digital I/O option	✗	✓
Supply	USB	Mains

Specifications

Parameter	QA401	JH Audio A.	Unit
Noise floor w/low-Z source (14dBV range?)	-110	NA	dBV
Noise floor w/low-Z source, 10 dBV range	NA	-110.3	dBV
Noise floor w/low-Z source, 0 dBV range	NA	-119	dBV
Noise floor w/low-Z source, -10 dBV range	NA	-124.3	dBV
THD @ -10 dBV	-106 or -110	-124	dB
THD+N @ -10 dBV	-89 (or -96.6?)	-106	dB
Typical CMRR	80	90	dB
Max Input	+34	+40	dBV

Some of the numbers regarding the QA401 seems to have been mixed up with the QA400 numbers. This leads to the uncertainty regarding some of the THD.

The numbers for the JH Audio Analyzer are based on the prototype and are subject to change.

JensH

Ref. : JH

Doc. : QA401 versus JH Audio
Analyzer 151112.docx

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Reviewed by: