

# Specifications for the Linear Audio Autoranger V1.5

## Input impedance

Balanced and single-ended input:  $100\text{k}\Omega \pm 10\%$ , //  $25\text{pF}$

## Distortion:

All combinations of input, output and attenuation: THD +N less than  $-120\text{dB}^1$

## Noise, 1kHz to 24kHz:

SE input to SE output, : less than  $-130\text{dB dBV}^2$

SE input to BAL output: less than  $-138\text{dB dBV}^3$

## Output levelled range (user selectable)

Low:  $0.4\text{V}_{\text{rms}}$  nominal

High:  $1.0\text{V}_{\text{rms}}$  nominal

## Absolute maximum safe input level

Balanced input:  $125\text{V}_{\text{RMS}}$ ,  $350\text{V AC} + \text{DC peak}$ , per phase

Single ended input:  $125\text{V}_{\text{RMS}}$ ,  $350\text{V AC} + \text{DC peak}$

## Display accuracy<sup>4</sup> (within levelled range)

Vout:  $\pm 1\%$

Vin:  $\pm 1\%$

## Frequency response flatness, 35Hz to 100kHz<sup>5</sup>:

SE input to SE output at less than  $-36\text{dB}$  attenuation:  $\pm 0.10\text{dB}$

SE input to SE output at  $-36\text{dB}$  or more attenuation:  $\pm 0.25\text{dB}$

Any other input and output combination, any attenuation:  $\pm 0.10\text{dB}$

## Low frequency roll-off:

$-3\text{dB}$  at  $< 2\text{Hz}$ ;  $-0.25\text{dB}$  at  $15\text{Hz}$

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<sup>1</sup> Measured with AP SYS2722

<sup>2</sup> Measured with AP SYS2722

<sup>3</sup> Measured with AP SYS2722

<sup>4</sup> After calibration

<sup>5</sup> After calibration