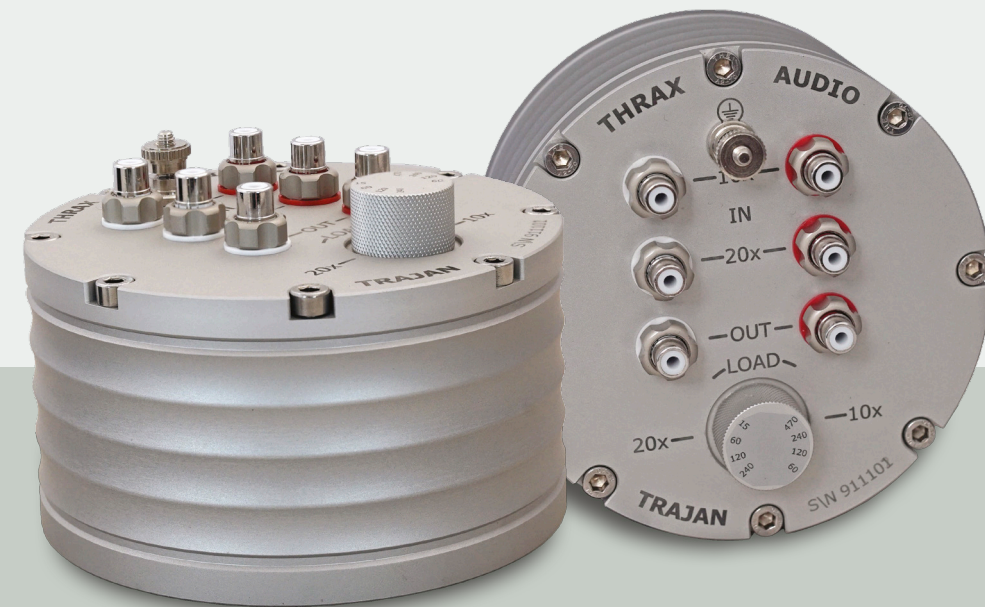


Thrax Trajan

Step - Up Transformer



Trajan is a transformer designed to interface a Moving Coil cartridge to a Moving Magnet phono stage.



Features

- System: Two independent inputs per transformer
- Core Type: Toroidal 20u
- Core Material: Nano-crystal soft magnetic material
- Coil: LITZ wire primary
- Shielding: MuMetal



Technology

There are many great phonestages that can take advantage of the ultra high tech transformers at the core of this unit. Most MM phono preamplifiers have no loading settings at their input. This limits the capabilities to match the cartridges in use to their standard 47kOhm input. To alleviate this problem we have added selectable loading in the step-up transformer, so even a vintage tube phono stage can be used in optimal conditions with multiple MC modern cartridges.

Trajan offers two different step up ratios to make it truly universal. A ratio of 1:10 for cartridges with output above 0.35mV and a ratio of 1:20 for low output cartridges with less than 0.3mV output. At the different

step up ratios there are four different loading options.

Trajan uses a core with the lowest magnetostriction and highest permeability available. This reduces the amount of turns needed and as consequence the internal resistance, capacitance and losses of the transformer. Furthermore the LITZ wire primary allows for very low DC resistance without any eddy current loss.

The resistance of the coils in a transformer is a source of noise added to the cartridge. The noise figure of Trajan is among the best you can get, bringing significant advantage to most modern MM solid state phonestages when coupled with very low impedance cartridges.

Specifications

Gain

- 20/26dB

Input Impedance

- 15Ω/30Ω/60Ω/120Ω /240Ω/470Ω selectable

Load Impedance

- Above 47KΩ

Dimensions

- 65mm (H) x 125mm (D)

Weight

- 2kg

Frequency response

- 10-80,000Hz +/- 1db

