

## Product information



### **EternalArts TMC - turntable motor control in OTL tube technology**

The EternalArts OTL motor control transfers the ingenious Futterman idea of a transformerless tube amplifier to a high-precision power supply for motors in high-end turntables.

- Compact control module for the connection of a 2-phase synchronous motor implemented in a two-part powder-coated sheet steel housing with a high-gloss black acrylic front, solid nickel-plated feet and buttons turned from solid metal
- Separate pitch control for speeds 33 and 45 rpm
- Optimized for all Transrotor drive motors
- Display of speeds with Nixie tubes
- Convertible to operate with other 20V motors
- Circuit design with a total of 12 tubes plus 2 Nixie display tubes
- PCBs with gold-plated, 70μ double-side-laminated conductor paths
- Multi-voltage transformer in toroidal core technology
- High-quality selected components
- Multiple protected, perfectly stable circuit for ultimate safety and high tube life cycle
- Made in Germany

### Circuit description

A 2-channel OTL amplifier with 4 x EL81 per channel is configured in such a way that it outputs two phase-shifted voltages of approx. 20V. A generator generates the control voltages required for speeds 33 and 45 rpm, which are fed to the two OTL amplifier channels. The aim was to generate absolutely uniform voltages for a turntable motor. For the equipment, new tubes from old stock were used, which are still available.

### Specification

- Mains toggle switch, 2-pole
- Nixie tubes for displaying speeds
- Pitch control for each speed
- 6-pole Amphenol-socket
- Foil-shielded high-end power cable

### Tubes

Input / driver stages:	2 x EF 184, 2 x EF 94
Power amplifiers:	4 x 6CJ6 (EL 81) per channel
Display tubes:	2 x Nixie NH 125

### General data

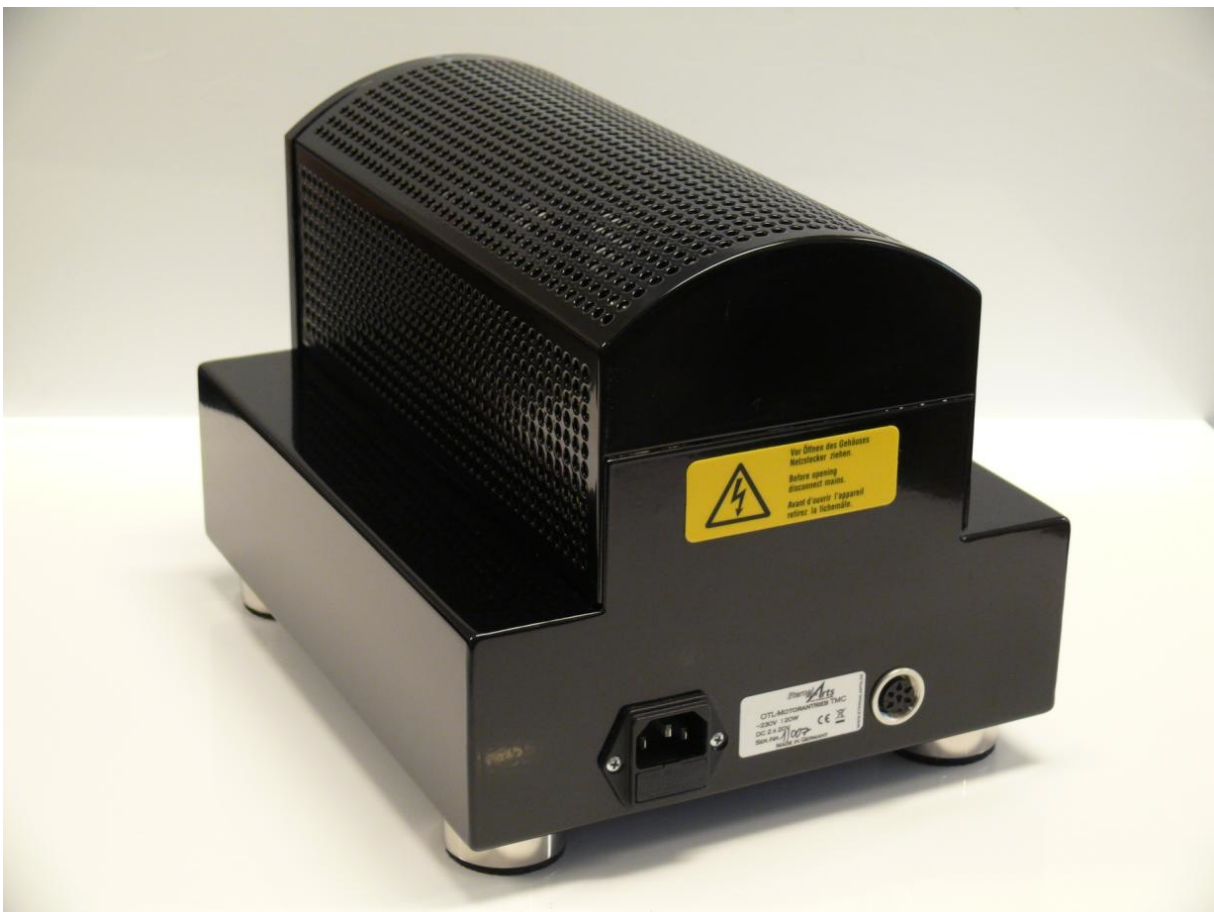
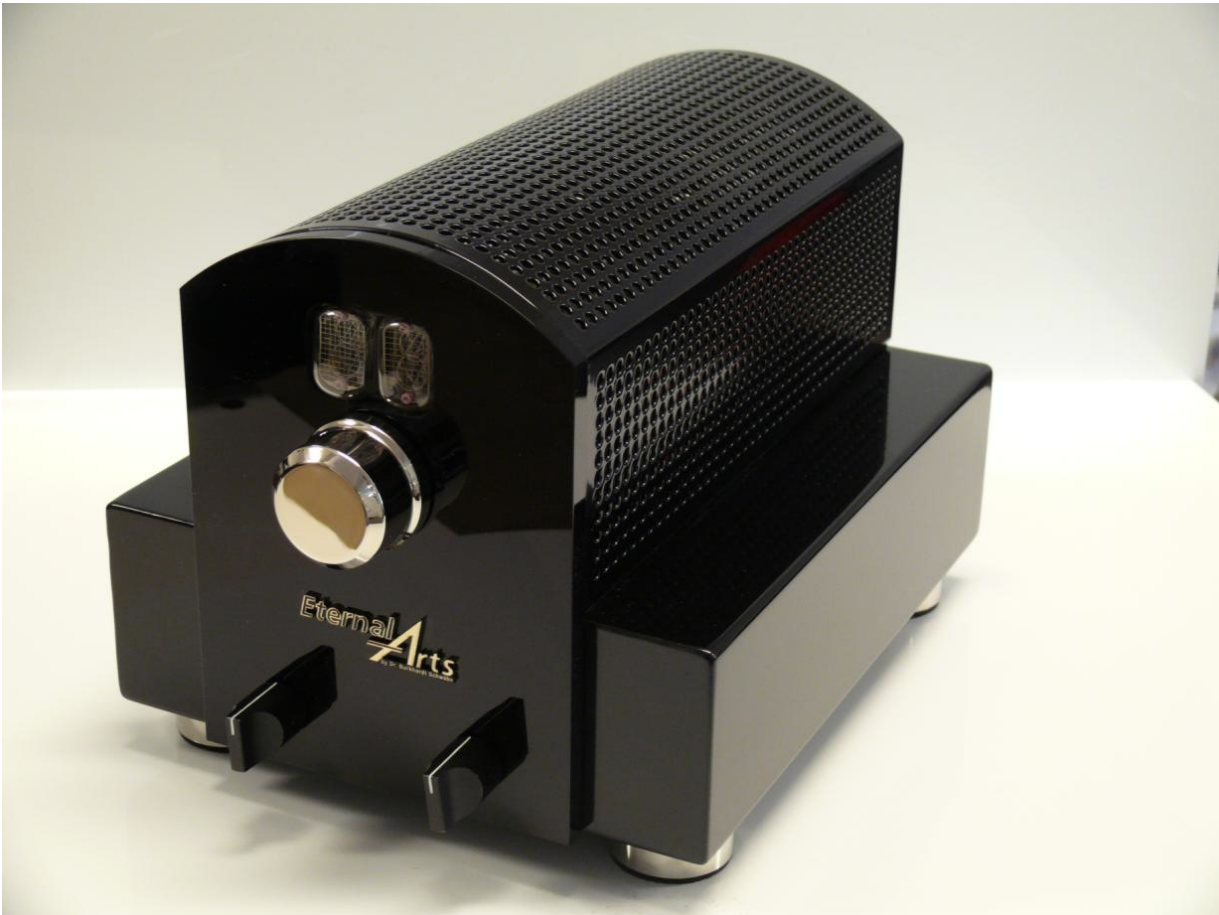
Dimensions:	22 (width) x 20 (height) x 30 cm (depth)
Weight:	8 kg net = 17,6 pounds
Temperature range:	10° to 35° C = 50°F to 95°F
Humidity range:	20 – 80%
Material:	Black high-gloss powder-coated steel chassis and hood; high-gloss acrylic front, buttons and feet high-gloss nickel-plated
Equipment:	Foil-shielded high-end power cable
Mains voltage:	230 V ~ 50 / 60 Hz
Power consumption:	76 VA (unloaded) 127 VA (loaded)

### Technical data

Construction:	2-channel OTL tube amplifier
Output voltage:	2 x 20V / 90 ° offset
Pitch-Control:	separately for 33/45 rpm
No-load condition:	No voltage at no load

### Warranty

1 year (tubes restricted)



Manufacturer:



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