



45SE = Integrated tube amplifier with type 45 triode in SE configuration

This is the version of the classic V.S.O.P. integrated amplifier using 45 triodes in Single Ended configuration. The back-to-the-roots concept brings the most musical sound possible to very high efficiency loudspeakers (minimum 96 dB Thiele Half Space Reference Efficiency).

The optional OP Phono amplifier in passive RIAA design makes it really versatile.

As an affordable high performance Swiss Made unit, the 45SE circuit is three-dimensionally decoupled on a cast iron base frame using the same receipts as his benchmark, the AM series:

- Shortest signal path, connectors and cables used for connecting separate components are eliminated.
- Design eliminates impedance and gain mismatch and reduces the number of active circuits.
- Separate power transformers for tube and solid state sections
- Separate ground wiring together with central ground connection and ground lift for best signal purity and lowest hum and noise.
- Preamp-driver with a bootstrap of 12AT7/6201 triodes, power amplifier with Full Music 45/n Mesh Plate triodes. Without negative feedback loop.
- High quality components all around, as output transformer with 7 distinct windings on M74 core made from heat treated M111 oriented grain core, SCR polypropylene silver coupling capacitors, 105°C electrolytic capacitors for filtering and double layer Gold plated cardboards.

Specifications:

Full tube integrated amplifier:

- 4 line inputs, sensitivity.....600 mV
- Input impedance50 kΩ
- Output power1.6 Watt/channel at 8Ω (opt. 4 and 16Ω)
- Power bandwidth.....20 Hz to 60 kHz +/- 2 dB (without NFB!)

Optional OPA phono preamplifier with passive RIAA-Equalization:

- Input- sensitivity for use with MM cartridges.....5 mV (Output 1V at 1kHz)
- Input- impedance for use with MM cartridges47 kΩ
- Optional for use with high output MC cartridges.....2,5 mV (Output 1V at 1kHz)
- Input- impedance for use with high output MC cartridges1 kΩ
- Total number of gain combinations (jumper).....4 levels

