

VTSP-1A/166 Stereo Preamp



Herron Audio



It's the smallest of things.

The subtle detail, the nuance, the clarity, the unsuspected beauty. The touch of bow on string, the stroke of guitar pick.

The lightest tap of a tympani from the back of the hall.

It's the large things, too. The fire in a soloist's technique. The power in a soprano, rising above the orchestra.

The Herron Audio VTSP-1A/166 respects the music. So much more than just the notes.

The Herron Audio VTSP-1A/166 Vacuum Tube Stereo Preamp, introduced in 1998, has delighted music lovers with its ability to reproduce the emotion, dynamics, and passion of the musical performance without adding or subtracting any colorations or distortions of its own. The clarity of its performance is true to the source. Individual voices are not lost amid the dynamics of full orchestra and chorus while inner detail and precise reproduction of time and three dimensional space are maintained through the entire range of dynamics.

The leading-edge circuitry of the VTSP-1A/166 was engineered using a purist approach to deliver music with utmost clarity and without coloration. This required careful consideration of board and internal component layout using advanced engineering mathematics and field analysis to minimize magnetic and electrostatic interactions. The result was a very low distortion high-performance preamp.

The volume control in the VTSP-1A/166 uses precision electronic stepped attenuators—one for each channel. The direct current signal from a single user operated volume control pot commands a servo system (designed by Herron Audio) which controls the positions of the two electronic stepped attenuators in unison. The user interface is intended to feel and perform much like a conventional stereo volume control pot, but with much

better sound, tracking, and reliability. The stepped electronic attenuators used in the VTSP-1A/166 are the best sounding volume control arrangement we have ever heard. The electronic volume level switching is not susceptible to dirt, contamination, contact distortion, or wear.

The front panel selector switch operates individual sealed gold contact relays located at the input connectors to insure pure connections, short signal paths, and long life.

When the unit is powered up, all tubes and components are brought on-line and into normal operation gradually for extended life. The internal components (including the tubes) of the VTSP-1A/166 are operated at a small fraction of their ratings insuring a lifetime of reliable performance. Hand matching of critical components guarantees a minimum of unit-to-unit and channel-to-channel performance variation. The amplification stage of the VTSP-1A/166 employs a nonconventional linear implementation of triode tube circuitry resulting in high performance while offering extended tube life (in most cases many years of continuous use).

Experience the musical enjoyment provided by Herron Audio electronics.

Herron Audio brings out the music in your system.

Stereophile: Class A Recommended Component

(April '00, Vol. 23, No. 4), (October 00, Vol. 23, No. 10), (April '01, Vol. 24, No. 4)
(October '01, Vol. 24, No. 10), (April 02, Vol. 25, No. 4), (October '02, Vol. 25, No. 10)

The Absolute Sound: Recommended Systems, Issue 124, Art Pfeiffer

Hi Fi Review: Product of the Year 2001 Award

Herron Audio

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Owner's manuals are available on our web site - <http://www.herronaudio.com>

VTSP-1A/166 Stereo Preamplifier

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Component Features

- 166-step volume control system with precision tracking and low distortion
- Infinite resolution indirect signal path balance control
- All-tube design operated conservatively for long life
- Relay input switching eliminates switching distortion
- Star grounding for low interference susceptibility and clean signal path
- Zero feedback - no feedback loops in the audio circuitry
- Super-low noise
- High input signal capacity without overload
- Automatic muting at startup and shutdown
- Gold plated TIFF RCA and ground connectors
- Hand-picked components for accurate response and consistent unit-to-unit quality
- Regulated soft-start power supply
- Reversing power line (AC) polarity switch for minimizing line-to-chassis reactive currents and noise pickup
- Controlled warm-up of tube filaments and high voltage for extended tube life
- Low operating currents for extended tube life and cool operation
- Front panel indicators for power, filament voltage, and output/mute/monaural
- Each unit is given an extensive burn-in, including rigorous bench and listening tests

Specifications

Frequency response:

1 Hz to beyond 100 kHz, 20 Hz to 20 kHz ± 0.1 dB (volume control at 9 o'clock)

Output impedance:

100 ohms nominal at 1 kHz

Input impedance:

100,000 ohms

Gain:

14 dB

Tube complement:

4 x 6922

Volume Control:

166-position electronic stepped attenuator, maximum differential ± 0.1 dB channel to channel

Distortion:

Under 0.03% THD+Noise @ 1 volt r.m.s. output

Absolute Polarity:

Inverting

Dimensions:

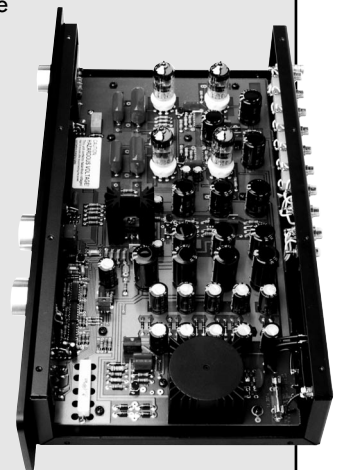
19" wide, 3.5" high, 10" deep

Warranty:

5 years, parts and labor
Tubes: 90 days

Price:

\$3,995.00



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