



**The Acurus L10 preamplifier is an excellent example of the value Acurus represents. Its design avoids the compromises typical of audio components in this price range. The L10 provides the exceptional sound quality that can only be derived from meticulous engineering and superior build quality.**

#### **FULLY DISCRETE CLASS A**

To keep costs down, most preamps in the L10 price range use integrated circuits (ICs), as found in inexpensive receivers. These inflexible, mass produced circuits do not allow for the fine tuning required to achieve *state of the art* sound quality. This is the reason that the world's finest preamplifiers use only fully discrete class A circuitry and never any integrated circuits. The Acurus L10's circuitry is fully discrete class A, as is found in these esoteric preamplifiers.

#### **SOLID STATE CONSISTENCY**

The L10 is completely solid state in design to provide accuracy, consistency and reliability. The L10 offers a high degree of musicality without sacrificing accuracy. It provides the wide band frequency response, very low distortion and complete phase accuracy that is only possible with advanced solid state engineering. Acurus' pure discrete class A circuitry will sound the same day after day and year after year, because solid state components don't degrade during use. The exceptional reliability of Acurus has been well established both in America and overseas.

#### **QUALITY VOLUME AND BALANCE CONTROLS**

The quality of the preamplifiers' volume and balance control is extremely important. The entire

audio signal must pass through them, therefore, their effect on sound quality is substantial. The L10 uses the same volume and balance potentiometers found in preamplifiers costing several times its price. In addition, when the balance control is centered, the resistive element is not in the signal path, thereby providing the purest possible operation.

#### **NO TONE CONTROLS**

Tone controls are incapable of compensating for deficiencies in the sound because they operate over far too wide a frequency range. These controls add noise, distortion and severe phase shift which degrade the original signal. They are typically found on lower quality audio components, such as boom boxes and receivers, to compensate for their inherent lack of accuracy and power. Acurus components eliminate the need for such artificial and inaccurate compensation.

#### **MATCHED PRECISION COMPONENTS**

Tight tolerance components are required to assure that the sound quality achieved in the original prototype is maintained in every production unit. To achieve this uniformity, the Acurus utilizes 1% tolerance metal film resistors. The only capacitors in the signal path are tight tolerance metalized polypropylene and all transistors are matched pairs. Again, these are the same type of components found in considerably more costly preamplifiers.

#### **SILVER CONTACT SWITCHES**

The selector switch quality is also important since the entire source signal passes through it. To further maintain signal purity the Acurus has only one switch contact in the signal path. Preamplifiers utilizing a so called passive or by-

pass mode still have the source signal passing through a minimum of two switch contacts, even when in by-pass. The combination of only a single switch, with silver to silver contacts, guarantees the least possible deviation from the original source material.

#### **GLASS EPOXY CIRCUIT BOARD**

Most preamplifiers in the L10 price range use inexpensive paper circuit boards, as are found in electronic toys and games. The L10 circuit board is double sided glass epoxy, with plated through holes. This is the same type of high quality circuit board found in medical and military equipment. It allows for increased contact area of soldered components and reliability not usually associated with preamplifiers in this price range.

#### **HIGH EFFICIENCY CIRCUIT**

The use of a high efficiency circuit design allows for quiet operation with an internal power supply. Due to the circuit's efficiency, a smaller, low radiation, low noise power transformer can be utilized, thereby improving signal to noise performance.

#### **REALITY NOT A FACADE**

In keeping with our design philosophy, the chassis and front panel are produced from high quality materials. The chassis is formed of heavy gauge steel. The front panel is machined from solid aluminum as are the knobs. It is our philosophy that for an audio component to be complete, the external construction should complement the internal construction. The fit, finish and feel should reflect the care given to the sound quality. That is why Acurus components are renowned the world over for their sonic excellence, construction and value.

# L10

## Line Preamplifier

#### **SPECIFICATIONS**

**Frequency Response:**  
20 - 20kHz +0.0, -0.15 dB.

**Total Harmonic Distortion**  
0.06%

**Signal to Noise Ratio:**  
95dB A Weighted

**High Level Sensitivity**  
60mV

**Maximum Output Voltage**  
8 Volts RMS

**Input Impedance**  
10k ohms

**Output Impedance**  
47 ohms

**Tape Outputs**  
2

**Preamp Outputs**  
2

**Dimensions:**  
17" wide  
5" high  
10" deep

**19" front panel optional**

**Weight: 13 lbs.**

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