

The X-15 Stereo ribbon microphone houses two separate matched ribbon elements that are positioned one above the other. The elements are offset 45 degrees and are configured in the Blumlein setup. Stereo separation is superb and off-axis coloration is minimal. Add in the excellent frequency response and extended sensitivity range the X-15 is ready for the big leagues. The fit and finish are of top quality and includes a premium suspension shockmount, thick padded vinyl pouch and an upgraded aluminum case. A 5-pin cable is included, the cable connects to a metal splitter box where two separate XLR connectors give access the upper and lower ribbons.

Legendary symmetrical ribbon design is incorporated into the X-15

Unlike most ribbon motors designed today with an offset ribbon element the new Cascade X-15 houses two hand-tuned ribbon elements that incorporate the legendary symmetrical ribbon design. This design offers a true figure 8 pattern. The corrugated aluminum membrane itself is positioned in the center from front to back, thus producing a balanced audio input signal to both sides of the ribbon assembly.

Application: Drum overheads, guitar cabinets, acoustic guitars, horns, piano, room ambiance, Percussion, choir and Orchestra.

Note:

As with all ribbon type microphones, the X-15 is not suitable for instruments that produce air-pressure, i.e. kick drum or blowing directly into the grill.

DO NOT USE PHANTOM POWER (Phantom power can damage the ribbons).

Specifications:

Ribbon type: 99.99% Pure aluminum, 2 X 2.5 micron, 1 3/4" (L) X 3/16" (W)

Polar pattern: Figure 8 Symmetrical

Frequency response: 30 to -18,000 Hz (+/- 3dB)

Output Impedance: <=200 Ohms

Recommended load impedance: >1000 Ohms

Max.SPL (1% THD @1000 Hz): 165 dB

Connector: 5-Pin male XLR w/ metal splitter box

Warranty: Full coverage for one year from the date of purchase.



SPECIAL INSTRUCTIONS:

Always store the X-15 in a vertical position, over a period of time the ribbon can sag and gradually degrade the performance of the microphone if stored in a flat position. The best way to accomplish this is to store your microphone in an upright position.

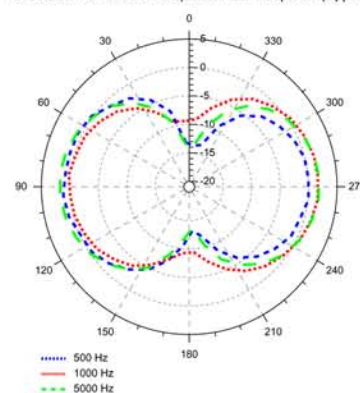
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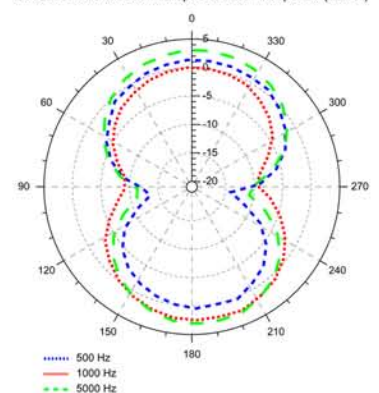
Measurement Date: Jan 18, 2007

Engineer: H. Singleton

Cascade X-15 Ribbon Microphone Polar Response (Upper)



Cascade X-15 Ribbon Microphone Polar Response (Lower)

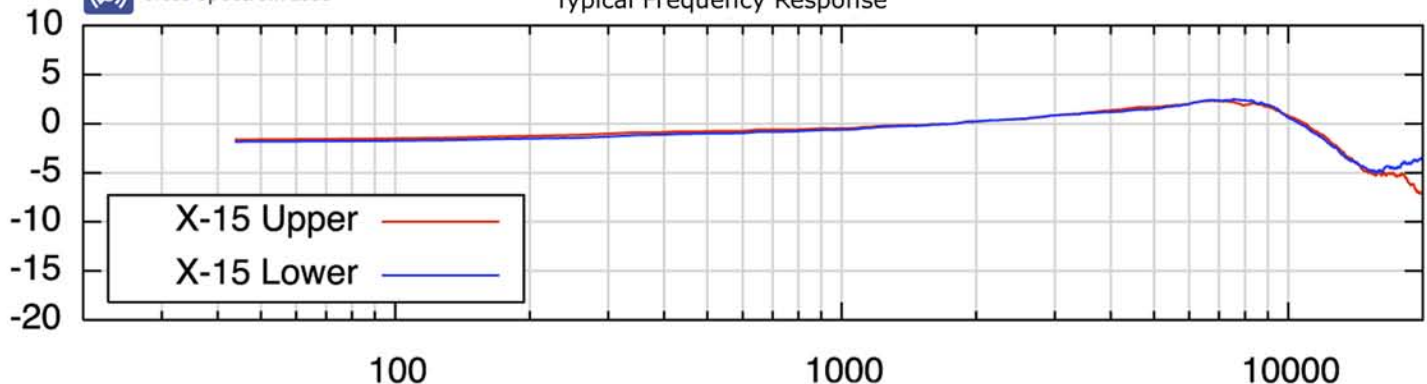


Microphone Sensitivity: -51.7 dB (2.6 mV/Pa) Lower
(re 1000Hz, 94 dB) -51.7 dB (2.6 mV/Pa) Upper

Noise Floor: <17 dBA Lower
<17 dBA Upper

Measurements by
Cross-Spectrum Labs

Typical Frequency Response



Relative Response, dB