



Ear Trumpet Labs

“Edwina” model microphone description and specifications



Edwina is a medium-large diaphragm (26mm) condenser microphone designed for live vocal use. The physical design features a bracket-mounted pivoting head which allows flexibility in positioning, from a side address ‘lollipop’ configuration to a full end address. The body and head feature a distinctive early-industrial design aesthetic, and are made largely from standard plumbing and electrical hardware. The head basket incorporates a very effective silk and stainless steel mesh pop filter as well as Sorbothane shock and vibration damping to minimize handling noise.



The capsule is a Chinese-made electret condenser individually tested and selected – roughly 30% of capsules are rejected for not meeting design criteria. The circuit is a transformerless FET with fully balanced output and EMI noise suppression. Other electrical components in the signal path are highest quality metal film resistors, polypropylene and polystyrene capacitors, and individually tested, hand-matched and biased transistors and JFETs.



The circuit includes bass rolloff to compensate for proximity effect as well as high frequency EQ to avoid harshness and sibilance issues and help control feedback. The cardioid polar pattern, headbasket design, and tuned electronics all work together to make a very stable live mic that excels in difficult, loud stage environments without feedback but still puts through an extremely natural, un-hyped vocal sound. Edwina is warm without boominess even when the singer is very close, but keeps an even, detailed response when used to mic groups or instruments up to 4 feet away.



Despite being designed for live vocal use, Edwina is very popular with studio engineers for use on drum overheads, acoustic guitars, banjo, mandolin, speaker cabinets, room micing, and of course vocals. Live sound engineers also love it for overheads, acoustic instruments, horns, and guitar cabs.

Sensitivity: 14 mv/Pa

Noise Floor: 22 db(A)

Output Impedance: 150 ohms