



MA-100 Tube Condenser Microphone MA-100SP Stereo Tube Condenser Microphone System

The MA-100 is a small diaphragm, vacuum tube condenser microphone with interchangeable cardioid and omnidirectional capsules. The latest in a lineage of successful microphone designs by David Royer, the MA-100's cathode follower circuitry provides ample headroom for high SPL applications such as drums and guitar amplifiers. It also excels at the more common applications for small diaphragm, vacuum tube condenser microphones such as acoustic instruments, cymbals, stereo pairs and pianos.

Featuring hand selected, 3-micron cardioid and omni capsules, a high quality Jensen audio transformer and a military-grade JAN 5840 vacuum tube, the MA-100 performs at a level reminiscent of some of the best loved classic small diaphragm tube condenser microphones. The MA-100's power supply can be set for either 110-120 VAC or 220-240 VAC via an external switch. Each MA-100 microphone, power supply and cable set is burned in for 24 hours, carefully tested and evaluated, then packaged in a protective carrying case.

The MA-100SP is a matched pair of MA-100 small-diaphragm, vacuum tube condenser microphones with interchangeable cardioid and omnidirectional capsules and a dual power supply. Packaged in a single carrying case, the MA-100SP provides professional recording engineers with a convenient, easy to set up system for stereo recording applications.

Features:

- Interchangeable cardioid and omnidirectional capsules
- Hand-selected 3-micron capsules
- Jensen audio transformer
- Military grade NOS JAN 5840 vacuum tube
- External switchable power supply voltage
- Ultra clean signal path
- High SPL handling capability

Recommended applications:

- Acoustic Instruments
- Drums
- Guitar Amplifiers
- Piano
- Stereo Pairs (X/Y, MS, Decca Tree, Blumlein, etc.)
- Orchestral Recording
- Choral Recording
- Voice-overs and Broadcast
- Percussion



Actual size



MA-100, MA-100SP

TECHNICAL DATA

Capsules:	Interchangeable Cardioid and Omnidirectional
Diaphragm:	.8" (20.5 mm) diameter
Diaphragm thickness:	3-micron
Frequency Response:	20 Hz - 20 kHz +/- 3 dB
Sensitivity:	-39 dB re.1V/pa +/- 1.5 dB
Maximum SPL:	130 dB
Distortion:	head amp only, not to exceed .4% @ 140 dB SPL
Self Noise:	14 dB nominal, not to exceed 16 dB (A weighted)
Impedance:	450 ohms, transformer balanced (Jensen)
Vacuum Tube:	NOS JAN 5840 pentode wired as triode,
Power Requirements:	100-120 VAC; 220-240 VAC, 50 or 60 Hz. Power consumption approx. 10 watts.

DIMENSIONS AND WEIGHT:

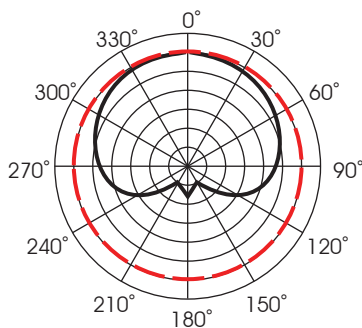
Carrying case with microphone, power supply, shock mount and cables: 7 lbs.

Carrying Case: 14"x11"x4"

Microphone: 5.5"x.75", weight 4.5 oz



Frequency Response and Polar Pattern



Omni - Red
Cardioid - Black

