

# Beta 91A Condenser Instrument Microphone (Half-Cardioid)

## Overview

The Beta 91A is optimised for kick drums and other low frequency applications. It uses a half-cardioid condenser boundary microphone with an integrated XLR preamplifier that is tailored for a strong low-end response. It has a two-position contour switch for optimised sound signature depending on application.

## Features

- Uniform half-cardioid polar pattern for maximum gain-before-feedback
- Frequency response tailored for kick drums and low frequency application
- Precision-engineered low-profile design features integrated preamplifier
- Two-position switch to maximise attack depending on application
- Flat response setting for natural sound
- „Low-mid scoop” setting for a strong low frequency „punch”

## Specifications

<b>Type</b>	Condenser (electret)
<b>Frequency Response</b>	20 Hz to 20 kHz
<b>Polar Pattern</b>	Half-Cardioid
<b>Impedance</b>	146 Ω
<b>Sensitivity</b> (at 1 kHz, open circuit voltage)	-48.5 dBV/Pa (3.8 mV/Pa)
<b>Maximum SPL</b> (1 kHz at 1% THD)	151 dB (1 kΩ load) 155 dB (2.5 kΩ load)
<b>Signal-to-Noise Ratio</b> (referenced at 94 dB SPL at 1 kHz)	64.0 dB
<b>Dynamic Range</b> (at 1 kHz)	121 dB (1 kΩ load) 125 dB (2.5 kΩ load)
<b>Clipping Level</b> (20 Hz-20 kHz at 1% THD)	7.5 dBV (1 kΩ load) 12.5 dBV (2.5 kΩ load)
<b>Self Noise</b> (typical, equivalent SPL, A-weighted)	30.0 dB(A)
<b>Polarity</b>	Positive pressure on diaphragm produces positive voltage on pin 2 with respect to pin 3
<b>Weight</b>	470 g
<b>Switch</b>	-7dB attenuation centred at 400 Hz
<b>Connector</b>	Three-pin professional audio (XLR), male
<b>Power Requirements</b>	11 - 52 Vdc phantom, 5.6 mA

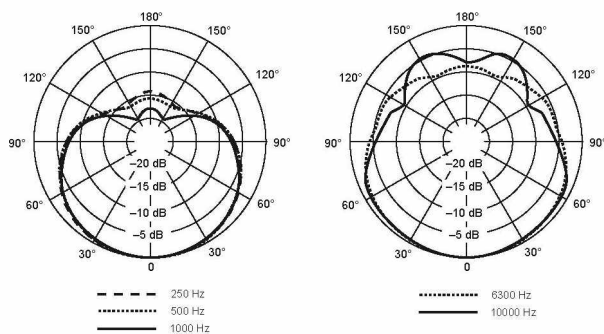


Beta 91A

## Accessories and Replacement Parts

<b>95A2314</b>	Zippered Pouch*	<b>RPM98A/C</b>	Replacement Cartridge
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\* included in delivery



Polar Pattern

