

# Beta 181 Condenser Side-Address Microphone (Interchangeable Capsules)

## Overview

Featuring an ultra compact, small diaphragm side-address condenser microphone, the Beta 181 offers interchangeable capsules for different polar patterns. This enables discreet placement and versatility in tight conditions for various applications.

## Features

- Interchangeable polar pattern capsules attached to a compact preamplifier with integrated XLR connections
- Precision-engineered, compact side-address design features innovative locking ring to provide secure connection between capsule and preamplifier
- Capsules available separately for custom flexibility

## Available Models

<b>Beta 181/C</b> (cardioid) for drum overhead, piano, acoustic instrument applications	<b>Beta 181/S</b> (supercardioid) for snare drum, acoustic instrument, close-miking applications
<b>Beta 181/O</b> (omnidirectional) for ambient/room, instrument ensemble applications	<b>Beta 181/BI</b> (bidirectional) for mono drum overhead, dual instrument sound source applications

## Specifications

<b>Type</b>	Condenser (electret)				
<b>Frequency Response</b>	20 Hz to 20 kHz				
<b>Polar Pattern</b>	Interchangeable Capsules (Cardioid, Supercardioid, Omnidirectional, Bidirectional)				
<b>Impedance</b>	110 $\Omega$				
<b>Sensitivity</b> (at 1 kHz, open circuit voltage)	<b>Beta 181/C</b> -46.5 dBV/Pa	<b>Beta 181/S</b> -49.5 dBV/Pa	<b>Beta 181/O</b> -52.0 dBV/Pa	<b>Beta 181/BI</b> -51.0 dBV/Pa	
<b>Maximum SPL</b> (1 kHz at 1% THD)	149.0 dB 151.5 dB	152.0 dB 154.5 dB	154.0 dB 157.0 dB	153.5 dB 156.0 dB	(1 k $\Omega$ load) (2.5 k $\Omega$ load)
<b>Signal-to-Noise Ratio</b> (referenced at 94 dB SPL at 1 kHz)	73.5 dB	71.5 dB	70.5 dB	71.0 dB	
<b>Dynamic Range</b> (at 1 kHz)	128.5 dB 131.0 dB	129.5 dB 132.0 dB	130.5 dB 133.5 dB	130.5 dB 133.0 dB	(1 k $\Omega$ load) (2.5 k $\Omega$ load)
<b>Clipping Level</b> (20 Hz-20 kHz at 1% THD)	7.5 dBV				
<b>Self Noise</b> (typical, equivalent SPL, A-weighted)	20.5 dB(A)	22.5 dB(A)	23.5 dB(A)	23.0 dB(A)	
<b>Polarity</b>	Positive pressure on diaphragm produces positive voltage on pin 2 with respect to pin 3				
<b>Weight</b>	12 g				
<b>Connector</b>	Three-pin professional audio (XLR), male				
<b>Power Requirements</b>	11 - 52 Vdc phantom, 1.2 mA				



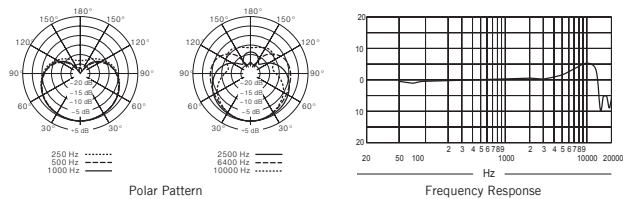
Beta 181

## Accessories and Replacement Parts

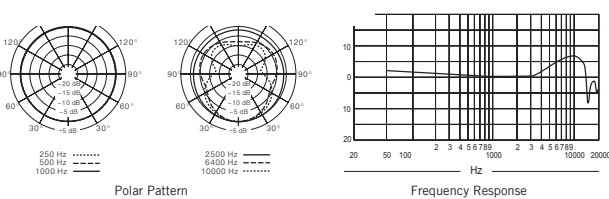
<b>A57F</b>	Mic Clip*	<b>A181WS</b>	Windscreen*	<b>A181C</b>	Zippered Carrying Case*	<b>95A2050</b>	5/8" to 3/8" Thread Adapter*
<b>RPM181/O</b>	Omnidirectional Capsule	<b>RPM181/C</b>	Cardioid Capsule	<b>RPM181/S</b>	Supercardioid Capsule	<b>RPM181/BI</b>	Bidirectional Capsule

\* included in delivery

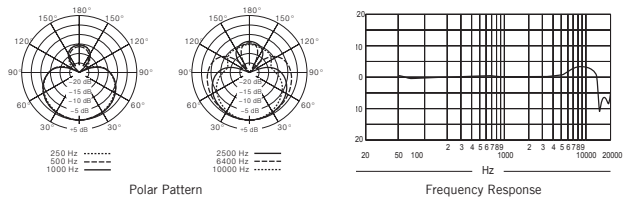
### Beta 181/C (Cardioid)



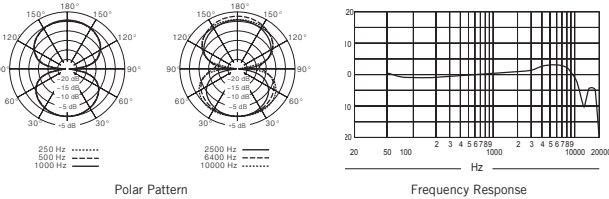
### Beta 181/O (Omnidirectional)



### Beta 181/S (Supercardioid)



### Beta 181/BI (Bidirectional)



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