

# 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

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



Beta 181

## Specifications

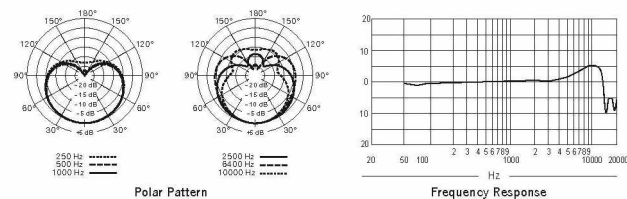
|  |   |                                   |                                   |                                    |                              |
|--|---|-----------------------------------|-----------------------------------|------------------------------------|------------------------------|
| <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 Ω   |                                   |                                   |                                    |                              |
| <b>Sensitivity</b><br>(at 1 kHz, open circuit voltage)             | <b>Beta 181/C</b><br>-46.5 dBV/Pa   | <b>Beta 181/S</b><br>-49.5 dBV/Pa | <b>Beta 181/O</b><br>-52.0 dBV/Pa | <b>Beta 181/BI</b><br>-51.0 dBV/Pa |                              |
| <b>Maximum SPL</b><br>(1 kHz at 1% THD)                            | 149.0 dB<br>151.5 dB  | 152.0 dB<br>154.5 dB              | 154.0 dB<br>157.0 dB              | 153.5 dB<br>156.0 dB               | (1 kΩ load)<br>(2.5 kΩ load) |
| <b>Signal-to-Noise Ratio</b><br>(referenced at 94 dB SPL at 1 kHz) | 73.5 dB   | 71.5 dB                           | 70.5 dB                           | 71.0 dB                            |                              |
| <b>Dynamic Range</b><br>(at 1 kHz)                                 | 128.5 dB<br>131.0 dB  | 129.5 dB<br>132.0 dB              | 130.5 dB<br>133.5 dB              | 130.5 dB<br>133.0 dB               | (1 kΩ load)<br>(2.5 kΩ load) |
| <b>Clipping Level</b><br>(at 1 kHz)                                | 7.5 dBV   |                                   |                                   |                                    |                              |
| <b>Self Noise</b><br>(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   |                                   |                                   |                                    |                              |

## Accessories and Replacement Parts

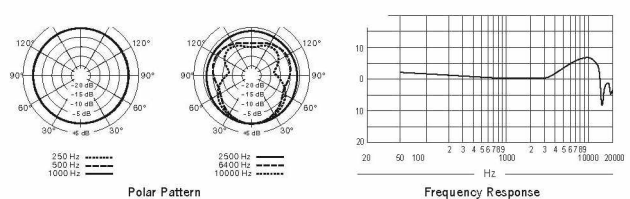
|                 |                         |                 |                  |                 |                         |                  |                              |
|-----------------|-------------------------|-----------------|------------------|-----------------|-------------------------|------------------|------------------------------|
| <b>A57F</b>     | Mic Clip*               | <b>A181WS</b>   | Windscreens*     | <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

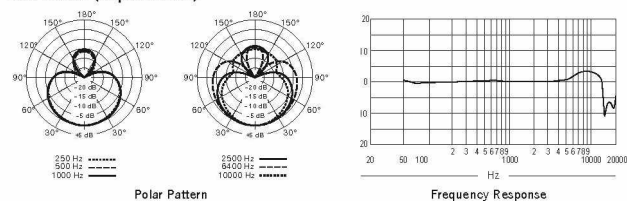
### Beta 181/C (Cardioid)



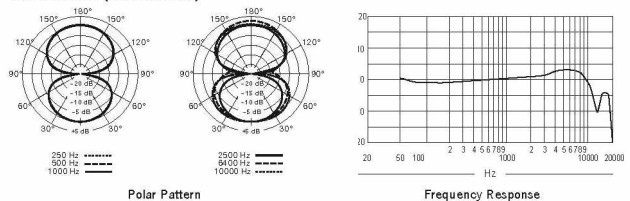
### Beta 181/O (Omnidirectional)



### Beta 181/S (Supercardioid)



### Beta 181/BI (Bidirectional)



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