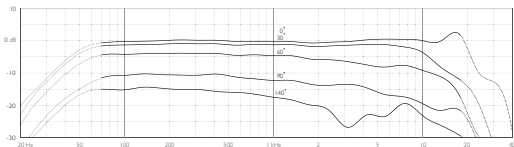


4017B Shotgun Microphone

A combination of the MMC4017 microphone capsule and the MMP-B preamplifier with filters, the 4017B Shotgun Microphone is part of the Pencil Microphone Series

Performance

The supplied calibration chart shows the specially tailored individual frequency response of the MMC4017 capsule, measured with a linear MMP-A preamp.



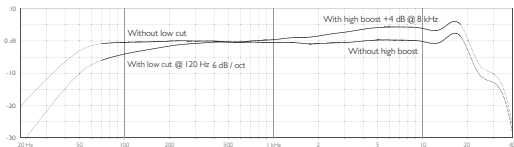
Typical on- and off-axis frequency response of 4017B (MMC4017+MMP-B)

Filters

DPA 4017B features a permanent third-order 50 Hz low cut and two switchable filters, which are controlled at the switchable rings. No tools are needed to activate the filters, use fingers only.

High boost: a 4 dB boost at 8 kHz.

Low cut: a first order (6 dB/oct) bass roll-off below 120 Hz.



Frequency responses of switching filters on 4017B

dpamicrophones.com/4017

Service & repair

If you are not satisfied with the characteristics exhibited by this product, please contact your nearest DPA Microphones representative for support.

Warranty

4017B is covered by a five-year limited warranty.

CE marking

This product conforms with all relevant directives approved by the European Commission.

Specifications

Directional pattern

Supercardioid, lobe-shaped

Principle of operation

Pressure gradient, with interference tube

Capsule type

Pre-polarized condenser

Frequency response

20 Hz - 20 kHz, permanent third order high pass filter at 50 Hz

Effective frequency range, ± 2 dB, at 60 cm (23.6 in)

70 Hz - 18 kHz with typ. 3 dB soft boost at 15 kHz

Sensitivity, nominal, ± 2 dB at 1 kHz

19 mV/Pa, -34.4 dB re 1 V/Pa

Equivalent noise level, A-weighted

Typ. 13 dB(A) re. 20 μ Pa (max. 15 dB(A))

Switchable attenuator, filters etc.

High boost: +4 dB at 8 kHz. Low cut: First order filter, below 120 Hz

Rated output impedance

< 100 Ω

Output balance principle

Signal balanced

Common Mode Rejection Ratio (CMRR)

> 40 dB

Power supply (for full performance)

P48 (Phantom Power)

Current consumption

4.5 mA

Polarity

+V at Pin 2 for positive sound pressure

Connector

XLR-3M. Pin 1: Shield, Pin 2: signal + phase, Pin 3: signal - phase

Weight

68 g (2.4 oz)

Operating temperature range

-40 $^{\circ}$ C to 45 $^{\circ}$ C (-40 $^{\circ}$ F to 113 $^{\circ}$ F)

Relative humidity

Up to 90%