

d:dicate™ 4006A Omnidirectional Microphone

A combination of the MMC4006 Microphone Capsule and the MMP-A Preamplifier, this mic is part of d:dicate™ Recording Microphone series.

Attenuation pad

The MMP-A Preamplifier has a 20 dB attenuation push-switch at the XLR connector. Use a pencil or the like to activate the attenuator and lower the output by 20 dB.

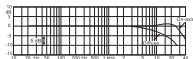


Grids

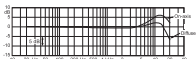
The d:dicate™ 4006A Omnidirectional Microphone is supplied with three different grids that are used to change characteristics of the microphone acoustically. Be extremely careful not to touch the exposed diaphragm when switching grids. Do not attempt to remove dust as it will not affect the performance of the microphone.



The pre-mounted silver near-field grid (DD0251) exhibits neutral frequency response when used in near sound field (direct sound field).



The black diffuse-field grid (DD0297) offers recording accuracy in diffuse sound field (far field) by compensating for the natural high frequency loss caused by air absorption.



The silver trapezoid dose-mic grid (DD0254) subtly rolls off the highest frequencies to create a smoother treble response when close miking sources with bright transient impulses.



d p a microphones.com / 4006A

Service & repair

If you are not satisfied with the characteristics exhibited by this product, please go to www.dpamicrophones.com/service for instructions.

Warranty

The d:dicate™ 4006A Omnidirectional Microphone is covered by a five-year limited warranty.

CE marking

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

Specifications

Directional pattern

Omnidirectional

Principle of operation

Pressure

Cartridge type

Pre-polarized condenser

Frequency range

10 Hz - 20 kHz

Frequency range, ± 2 dB

10 Hz - 20 kHz

Sensitivity, nominal, ± 2 dB at 250 Hz

36 mV/Pa; -28,9 dB re. 1 V/Pa

Equivalent noise level, A-weighted

Typ. 15 dB(A) re. 20 μ Pa (max. 17 dB(A))

Total Harmonic Distortion (THD)

< 1 % up to 133dB SPL RMS; 136 dB SPL peak

Switchable attenuator

0 dB / -20 dB

Output impedance

< 200 Ω

Output balance principle

Impedance balancing with Active Drive

Common Mode Rejection Ratio (CMRR)

> 60 dB

Power supply

48 V Phantom power (± 4 V)

Current consumption

2.8 mA

Polarity

+V at Pin 2 for positive sound pressure

Connector

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

Weight

163 g (5.7 oz)

Operating temperature range

-40 to 45°C (14 to 113°F)

Relative humidity

Up to 90%