

## 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.

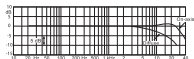


### Grids

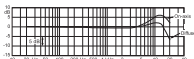
The d:dicate™ 4006A Omnidirectional Microphone is supplied with three different grids that are used to change characteristics of the microphone acoustically. Be extremely careful not to touch the exposed diaphragm when switching grids. Do not attempt to remove dust as it will not affect the performance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



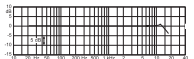
The pre-mounted silver near-field grid (DD0251) exhibits neutral frequency response when used in near sound field (direct sound field).



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](http://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, $\pm 2$ dB**

10 Hz - 20 kHz

## **Sensitivity, nominal, $\pm 2$ dB at 250 Hz**

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

## **Equivalent noise level, A-weighted**

Typ. 15 dB(A) re. 20  $\mu$ 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  $\Omega$

## **Output balance principle**

Impedance balancing with Active Drive

## **Common Mode Rejection Ratio (CMRR)**

> 60 dB

## **Power supply**

48 V Phantom power ( $\pm 4$  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%