

## 4006A Omnidirectional Microphone

A combination of the MMC4006 Microphone Capsule and the MMP-A preamplifier, this mic is part of DPA's recording microphone series.

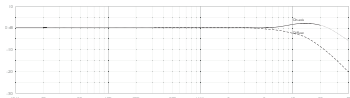
### Attenuation Pad

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

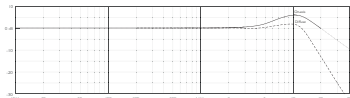


### Grids

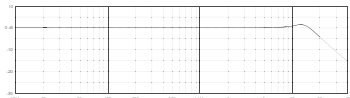
The 4006A is supplied with three different grids that are used to change the characteristics of the microphone acoustically. Be extremely careful not to touch the exposed diaphragm when switching grids. Do not attempt to remove dust. The performance of the microphone is not affected by dust.



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

### 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 4006A 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

## Capsule type

Pre-polarized condenser

## Frequency response

10 Hz - 20 kHz

## Effective frequency range $\pm 2$ dB

10 Hz to 20 kHz

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

40 mV/Pa, -28 dB re 1 V/Pa

## Equivalent noise level, A-weighted

Typ. 15 dB(A) re. 20  $\mu$ Pa (max. 17 dB(A))

## Switchable attenuator, filters etc.

0 dB / -20 dB

## Rated output impedance

< 200  $\Omega$

## Output balance principle

Impedance balancing with Active Drive

## Common Mode Rejection Ratio (CMRR)

> 60 dB

## Power supply (for full performance)

P48 (Phantom Power)

## 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 (-40 to 113°F)

## Relative humidity

Up to 90%