



## 2011A, 2011A Twin Diaphragm Cardioid Microphone

- All-round workhorse – blends clarity, richness and dynamics
- Twin-Diaphragm-Capsule and interference tube technologies
- Superb stage separation and level control
- Modular flexibility

### All-round

### workhorse

The new DPA 2011A microphone has strong references to the acclaimed close-miking and hi-SPL handling specialist DPA 4011 cardioid microphone – not only by its type number 11, also in its all-round capture abilities.

2011 is primarily optimized for on-stage use and the technology combines the new Twin Diaphragm Capsule and DPA's strong know-how within interference tube technology.

While 4011 has gained worldwide admiration for its total linearity at all sound confrontations, the 2011 is purposely aimed differently; the off-axis response is still linear but in a smaller frequency bandwidth making stage separation and gain-to-feedback higher and mic level easier to control.

### Modular

### flexibility

2011A is part of the flexible DPA Reference Standard series. The 2011A with the MMP-A preamplifier is the audiophile's choice with low distortion and total accurate and faithful sound, where the 2011C with the MMP-C compact preamplifier offers a subtle character alteration with a bit more "body" to the low end – in addition to its easier-to-position approach.

At any time and with no tools necessary it is possible to transform the basic 2011 microphone into a new configuration by combining it with another DPA microphone capsule or preamp.

Twin Diaphragm Capsule: cutting edge technology

The overall distinctive sound image from the DPA miniatures is so well balanced that it meets the high demands of the DPA Reference Standard league.

In a 2011 capsule two opposite facing miniature capsules are custom re-built into a double diaphragm, one-capsule composition.

The use and control of interference tubes has become a DPA specialty and the 2011 is no exception; the capsules are loaded to the supreme Reference Standard preamps instead of the tiny miniature FET preamp from the 4060 miniature series, offering even more air and precision.

### Stage addict

The 2011 has found its use on numerous stages and recording sessions. Exhibiting a previously unheard blend of clarity, richness and dynamic range, the 2011 performs like a much more exclusive microphone and redefines the term value for money.

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For more information please visit:  
[www.dpamicrophones.com](http://www.dpamicrophones.com)

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## Directional pattern:

Cardioid

## Principle of operation:

Pressure gradient, with interference tube

## Cartridge type:

Pre-polarized condenser, Twin Diaphragm Capsule

## Frequency range:

20 Hz to 20 kHz

## Frequency range, $\pm 2$ dB, at 30 cm:

50 Hz to 17 kHz with 3 dB soft boost at 12 kHz

## Sensitivity, nominal, $\pm 2$ dB at 1 kHz:

10 mV/Pa; -40 dB re. 1 V/Pa

## Equivalent noise level, A-weighted:

Typ. 20 dB(A) re. 20  $\mu$ Pa (max. 23 dB(A))

## Equivalent noise level, ITU-R BS.468-4:

Typ. 33 dB (max. 36 dB)

## S/N ratio (A-weighted), re. 1 kHz at 1 Pa (94 dB SPL):

Typ. 74 dB(A)

## Total Harmonic Distortion (THD) at 1 kHz:

< 1 % up to 137 dB SPL peak

## Dynamic range:

Typ. 117 dB

## Minimum load impedance:

2 kohm

## Switchable attenuator:

0 dB / -20 dB

## Output impedance:

< 200 ohm

## Cable drive capability:

100 m (328 ft)

## Output balance principle:

Impedance balancing with Active Drive

## Common Mode Rejection Ratio (CMRR):

> 60 dB

## Power supply (for full specifications):

48 V Phantom power ( $\pm 4$  V)

## Current consumption:

2.8 mA

## Connector:

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

## Color:

Matte black

## Microphone weight:

164 g (5.8 oz)

## Microphone diameter:

19 mm (0.75 in)

## Microphone length:

198 mm (7.8 in)

## Output voltage, RMS:

> 5 V

## Polarity:

+V at Pin 2 for positive sound pressure

## Temperature range:

-40 °C to 45 °C (-40 °F to 113 °F)

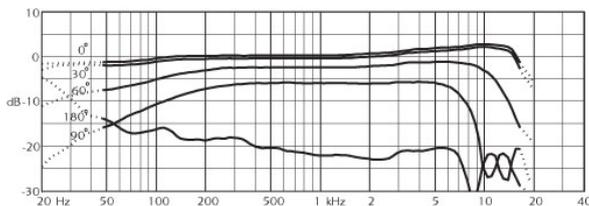
## Relative Humidity (RH):

Up to 90%

## Diagrams

### 2011A, 2011A Twin Diaphragm Cardioid Microphone

Frequency response at five angles: DPA MMC2011 Twin Diaphragm Cardioid Microphone Capsule measured at 30 cm



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