

d:facto™ Vocal



#### FAVOSE, d:facto™ handheld vocal mic

- Extraordinarily natural sound
- High separation
- Extreme SPL handling

The d:facto will start shipping in May 2012

The DPA d:facto™ is a high quality stage vocal microphone with extraordinary natural sound, high separation from nearby sound sources and extreme sound level handling. Its supercardioid pattern combined with superb definition gives high separation and true sound color on stage, equally suitable for PA amplification and recording. The in-built 3-step pop protection grid effectively removes unwanted noise.

In short, the DPA d:facto bridges the gap between live stage performances and studio recordings. The condenser transducer principle and absolute premium selected materials secures clarity and details. Its smooth off-axis response helps with its freedom of coloration to achieve the most linear sound and will in combination with PA systems in comparable quality assist to reach highest level before feedback without struggling too much with equalizers to get rid of odd peaks and dips.

#### Features

- Pre-polarized super cardioid condenser vocal microphone
- Extraordinary natural sound
- Controlled off-axis response
- Superb definition
- High separation
- Extreme sound level handling
- True dynamics
- 3-step pop protection
- Premium selected materials
- Rugged design for professional use
- Optimized proximity effect for vocal use

Also, the d:facto can be used as close mic with the vast majority of acoustic instruments.

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

## FAVOSB, d:facto™ handheld vocal mic

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**Directional pattern:**

Supercardioid

**Principle of operation:**

Pressure gradient

**Cartridge type:**

Pre-polarized condenser

**Frequency range:**

20 Hz - 20 kHz

**Frequency range,  $\pm 2$  dB, at 12 cm (4.7 in):**

90 Hz - 16 kHz with 3 dB soft boost at 12 kHz.

Permanent 3rd order low-cut filter (-3 dB at 80 Hz)

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

5 mV/Pa; -46 dB re. 1 V/Pa

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

Typ. 19 dB(A) re. 20  $\mu$ Pa (max. 21 dB(A)) without attenuation

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

Typ. 26 dB without attenuation

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

Typ. 75 dB(A)

**Total Harmonic Distortion (THD):**

< 1 % up to 139 dB SPL peak

**Dynamic range:**

Typ. 120 dB

**Max. SPL, peak before clipping:**

157 dB

**Switchable attenuator:**

0 dB / -10 dB

**Output impedance:**

< 100 ohm

**Minimum load impedance:**

1 kohm

**Cable drive capability:**

100 m (328 ft)

**Output balance principle:**

Impedance balancing with Active Drive

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

> 50 dB at 1 kHz

**Power supply (for full specifications):**

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

**Current consumption:**

max. 5 mA

**Connector:**

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

**Color:**

Matte black

**Weight:**

245 g (8.6 oz)

**Microphone diameter:**

50 mm (2.0 in)

**Capsule diameter:**

19 mm (0.75 in)

**Microphone length:**

195 mm (7.7 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%

**Headquarters:**

DPA Microphones A/S  
Gydevang 42- 44  
DK-3450 Allerød, Denmark  
Tel: +45 4814 2828  
Fax: +45 4814 2700  
info@dpamicrophones.com  
www.dpamicrophones.com

**United States:**

DPA Microphones, Inc.  
2432 N. Main St., Suite 200  
Longmont, CO 80501, USA  
Tel: +1 303- 485-1025  
Fax: +1 303- 485-6470  
info-usa@dpamicrophones.com  
www.dpamicrophones.com