



# Specifications headset DPA 4488

## Directional pattern

Cardioid

## Principle of operation

Pressure gradient

## Cartridge type

Pre-polarized condenser

## Frequency response

20 Hz - 20 kHz

## Effective frequency range, ±2 dB, Near field 2-3 cm (0.8 - 1.2 in)

100 Hz - 20 kHz (4 - 6 dB soft boost at 15 kHz)

## Sensitivity, nominal, ±3 dB at 1 kHz

6 mV/Pa; -44 dB re. 1 V/Pa

## Equivalent noise level, A-weighted

Typ. 26 dB(A) re. 20 µPa (max. 28 dB(A))

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

Typ. 38 dB (max. 40 dB)

## Distortion, THD < 1% - CORE

134 dB SPL RMS, 137 dB SPL peak

## Dynamic range - Legacy

Typ. 97 dB

## Dynamic range - CORE

Typ. 111 dB

## Max. SPL, THD 10%

144 dB SPL peak

## Rated output impedance

30 - 40 Ω

## Cable drive capability

Up to 300 m (984 ft) with DAD6001-BC XLR Adapter

## Power supply (for full performance)

For wireless systems: Min. 5 V - max. 10 V through DPA adapter

With DAD6001-BC: P48 (Phantom Power). Will work from 12 V

## Current consumption

Typ. 1.5 mA (microphone). 3.5 mA with DAD6001-BC XLR Adapter

## Connector

MicroDot

## Color

Black, beige or brown

## Weight

14 g (0.5 oz) incl. Cable and MicroDot connector

## Microphone diameter

5.4 mm (0.21 in)

## Microphone length

11 mm (0.5 in)

## Cable length

1.2 m (3.9 ft)

## Cable diameter

1.6 mm (0.06 in)



### Polarity

Positively increasing sound pressure produces positive going voltage on MicroDot pin

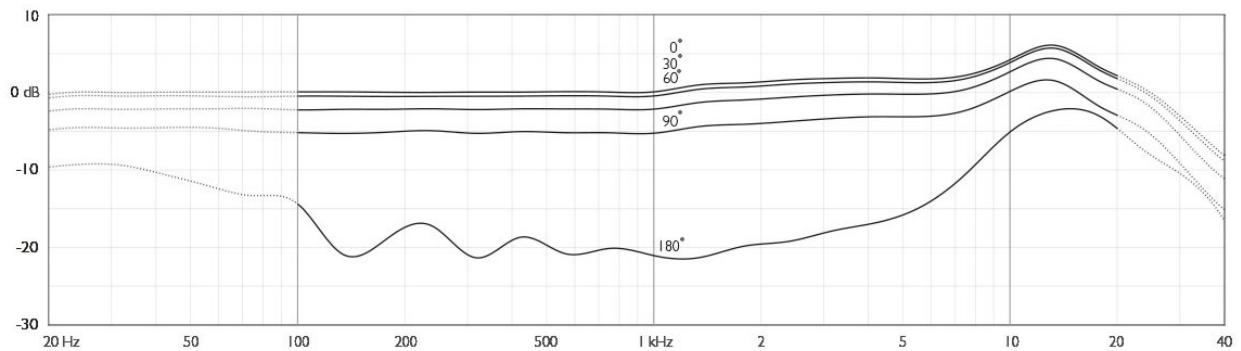
### Temperature range

-40°C to 45°C (-40°F to 113°F)

### Relative humidity (RH)

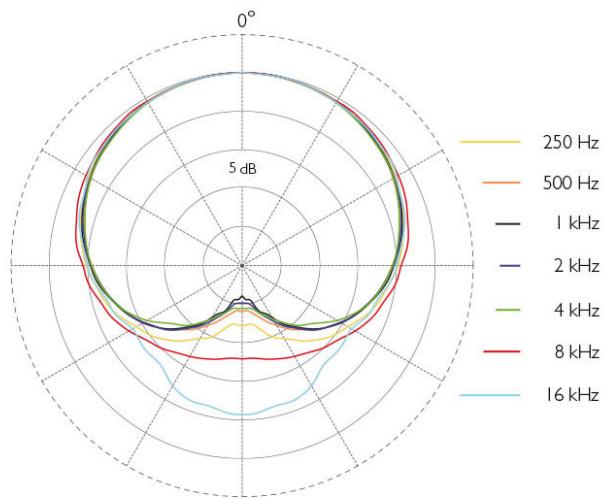
Up to 90%

## 4488 Frequency response



Typical on and off-axis response of a 4488

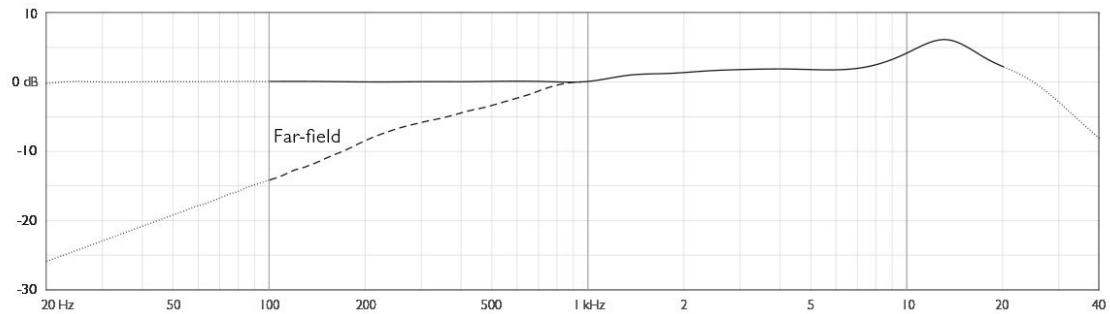
## Polar pattern



Typical directional characteristics of a 4488



## Frequency response in near and far field



Frequency response of the 4488 in near and far field