



d:vote™ for Extreme SPL

d:vote™ CORE 4099
Instrument Microphones

core
by DPA

KIT-4099-DC-4R-C

Number of microphones
4 microphones

Packaging
Carton

Accessories
3 unClamp mount
2 unUniversal clip
2 unClip for sax
2 unClip for piano
1 unClip for bass
3 unClip for Drum
4 unAdapter for XLR
4 unExtension cable, 22mm



Specifications

Directional characteristics

Supercardioid

Principle of operation

Pressure gradient

Cartridge type

Pre-polarized condenser

Frequency range

20 Hz - 20 kHz

Frequency range, ± 2 dB, 20 cm (7.9 in)

80 Hz - 15 kHz with 2 dB soft boost at 10 - 12 kHz

Second order low-cut filter at 80 Hz with DAD4099-BC

Sensitivity, nominal ± 3 dB at 1 kHz

dvote™ for Loud SPL: 6 mV/Pa; -44 dB re. 1 V/Pa

dvote™ for Extreme SPL: 2 mV/Pa; -54 dB re. 1 V/Pa

Equivalent noise level, A-weighted

dvote™ for Loud SPL: Typ. 23 dB(A) re. 20 μ Pa (max. 26 dB(A))

dvote™ for Extreme SPL: Typ. 28 dB(A) re. 20 μ Pa (max. 31 dB(A))

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

dvote™ for Loud SPL: 71 dB

dvote™ for Extreme SPL: 66 dB

Total harmonic distortion (THD)

dvote™ for Loud SPL: < 1 % up to 131 dB SPL peak

dvote™ for Extreme SPL: < 1 % up to 137 dB SPL peak

Dynamic range

dvote™ for Loud SPL: Typ. 108 dB

dvote™ for Extreme SPL: Typ. 109 dB

Max. SPL, peak before clipping

dvote™ for Loud SPL: 142 dB

dvote™ for Extreme SPL: 152 dB

Output impedance

From MicroDot: 30 - 40 Ω

From DAD4099-BC/DAD6001-BC: 100 Ω

Cable drive capability

Up to 300 m (984 ft) with DAD4099-BC or DAD6001-BC XLR Adapter

Output balance principle

Signal balanced with DAD4099-BC or DAD6001-BC XLR Adapter

Common mode rejection ratio (CMRR)

> 60 dB from 50 Hz to 15 kHz with DAD4099-BC or DAD6001-BC XLR Adapter

Power supply (for full performance)

Min. 5 V – max. 50 V through DPA adapter for wireless systems

48 V phantom power ± 4 V with DAD4099-BC or DAD6001-BC XLR Adapter

Current consumption

Typ. 1.5 mA (microphone)

3.5 mA with DAD4099-BC or DAD6001-BC XLR Adapter

Connector

MicroDot

Microphone length

45 mm (1.8 in)

Cable length / cable diameter

1.8 m (5.9 ft) / 1.6 mm (0.06 in) or 2.2 mm (0.09 in)

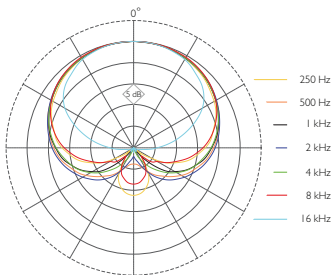
Gooseneck length

140 mm (5.5 in)

Capsule diameter

5.4 mm (0.21 in)

Polar pattern



Frequency response

Measured at 20 cm (7.9 in)

