Opus 51

Acoustical Boundary Microphone

Order # 455.334

Features

- Semi-spherical polar pattern
- Linear frequency response
- Small dimensions
- Battery or phantom powering
- Step-proof

Applications

The Opus 51 is suitable for studio and stage applications such as miking instruments and is particular benefit when used upright or for grand pianos where the microphone can be placed internally. The Opus 51 can also be used within a round-table discussions system as well as stage and film applications for ambience recording.
The microphone element is integrated into a solid metal plate with a heavy-duty protective surface resisting accidental damage from kicks or footsteps.
The half-spherical polar pattern of the Opus 51 has a very wide and even pickup angle and is suitable for miking large sound sources simplifying the choice of microphone as it is not dependent on the distance to the sound source.
A power supply is required to power the microphone that can also be used as an adapter to connect the microphone to any other phantom power source.

Supplied Accessory

CV 3 Power supply unit. . . . . Order # 466.891

Optional Accessory

ZCV Battery compartment (9 V) for CV 3 power supply unit . . . . . Order # 451.096

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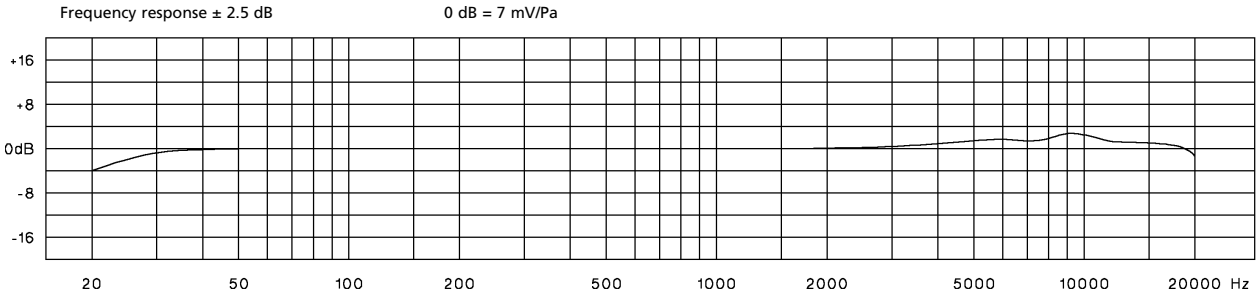
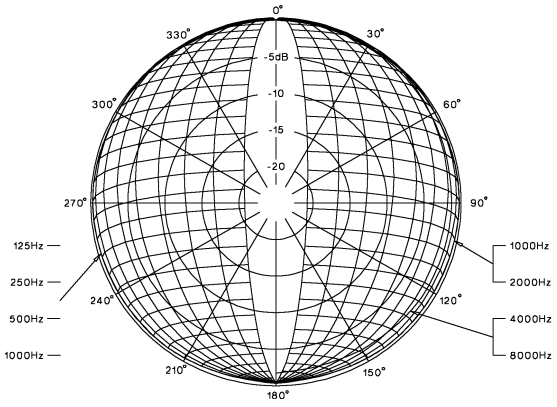
TECHNICAL SPECIFICATIONS

Transducer type	Condenser (back electret)
Operating principle	Pressure
Frequency response	30 - 20,000 Hz
Polar pattern	Semi-spherical
Open circuit voltage at 1 kHz	7 mV/Pa
Nominal impedance	250 Ω
Load impedance	≥ 1 kΩ
Max. SPL at 1 kHz, k ≤ 10%	approx. 131 dB
S/N ratio rel. to 1 Pa	approx. 60 dB
A-weighted equivalent SPL	approx. 26 dB
Power supply	11 - 52 V phantom power
Power consumption	3.6 mA
Connection microphone	4-pin LEMO-plug, unbalanced Pin 1 = ground Pin 3 = + voltage Pin 4 = AF output
Connection output CV 3	3-pin XLR-plug, balanced Pin 1 = ground Pin 2 = AF + Pin 3 = AF -
Dimensions microphone	Diameter: 70 mm Height: 10.5 mm
Weight microphone	85 g
Dimensions CV 3 with ZCV	Width: 57 mm Height: 23.5 mm Length: 113 mm
Weight CV 3 with ZCV (without battery)	70 g

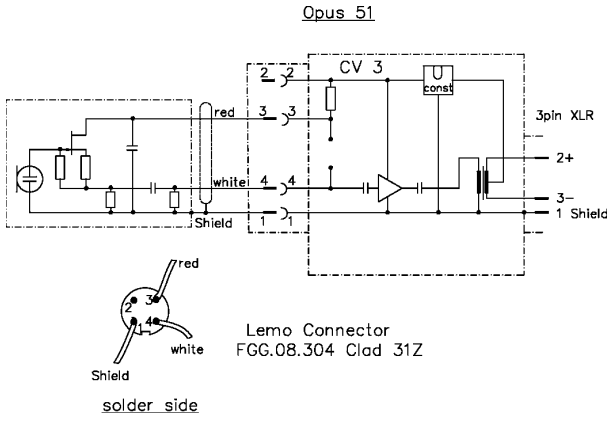
FREQUENCY RESPONSE & POLAR PATTERN

This frequency response curve (measuring tolerance ± 2.5 dB) and polar pattern correspond to a typical production sample for this microphone.





WIRING DIAGRAM



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