

Opus 54 Condenser Microphone



FEATURES

- Cardioid polar pattern
- High gain before feedback
- Lightweight adjustable neckband
- Angled microphone head
- Slim, flexible gooseneck for optimum positioning
- Rugged "flexible" ear bows

APPLICATIONS

The Opus 54 has been designed for "hands free" applications that require a high quality and lightweight microphone. It is ideal for entertainers, dancers, drummers and keyboard players etc. The Opus 54 will interface with beltpack transmitters to provide a low profile neckworn microphone for aerobics instructors, theatre use and stage musicals. Its cardioid polar pattern allows a high gain before feedback. The Opus 54 features a rugged yet adjustable neckband and flexible ear bows that can be shaped for personal comfort with a secure fit. The Opus 54 is also suited for people who wear glasses.

VERSIONS

| | | |
|--------------|---|-----------------|
| Opus 54.09 | with bare-ended cable. | Order # 460.419 |
| Opus 54.16/3 | with 4-pin Lemo-plug (3-pole connection). | Order # 460.184 |
| Opus 54.18 | with 4-pin Mini-XLR plug. | Order # 464.945 |
| Opus 54.100 | with 3.5 mm stereo jack plug | Order # 458.511 |

OPTIONAL ACCESSORY

| | | |
|------|---|-----------------|
| CV 3 | Phantom power adapter for the .16 version | Order # 466.891 |
| ZCV | Battery compartment (9 V) for CV 3 | Order # 451.096 |

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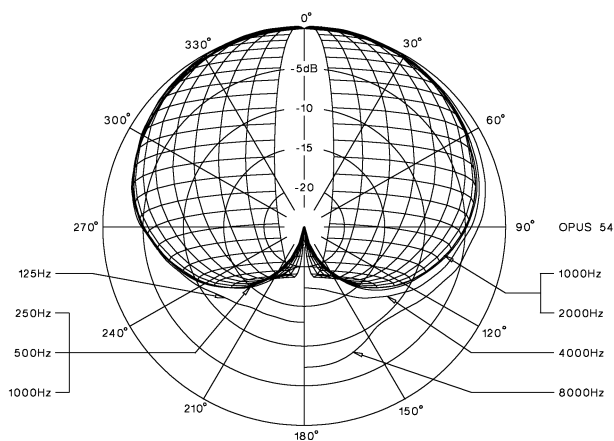
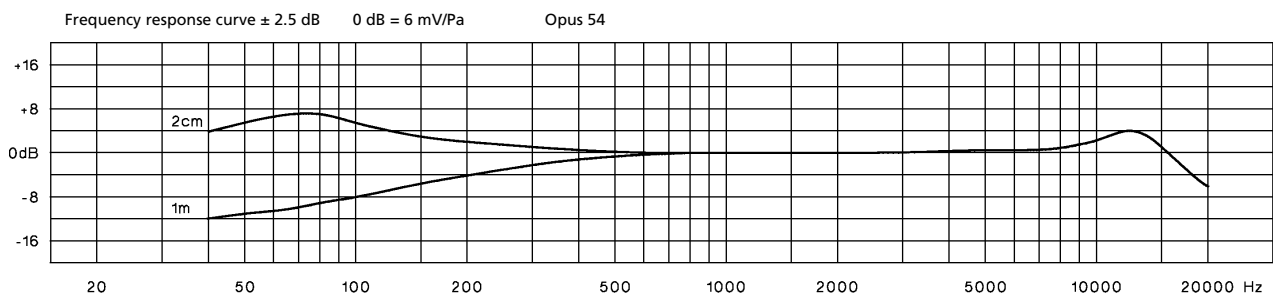
TECHNICAL SPECIFICATIONS

| | |
|---|--|
| Transducer type | Condenser (back electret) |
| Operating principle | Pressure gradient |
| Polar pattern | Cardioid |
| Frequency response | 40 - 17,000 Hz (close miking) |
| Open circuit voltage | 6 mV/Pa* |
| Nominal impedance | approx. 800 Ω* |
| Load impedance | ≥ 4.7 kΩ* |
| Max. SPL at f = 1 kHz, k = 1%, R = 1 kΩ | 132 dB* |
| S/N ratio rel. to 1 Pa | 60 dB |
| A-weighted equivalent SPL | 26 dB |
| Connection | 4-pin Lemo-plug (Opus 54.16/3 with 3-pole connection) or 3.5 mm mini stereo jack plug (Opus 54.100) or 4-pin Mini-XLR plug (Opus 54.18) or bare-ended cable |
| Weight (without cable) | 39 g |

*The specs for the Opus 54.09 depend on the connector the customer will use.

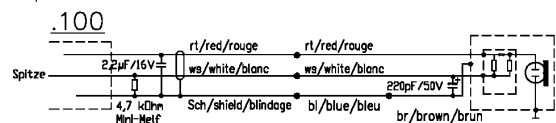
FREQUENCY RESPONSE & POLAR PATTERN

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

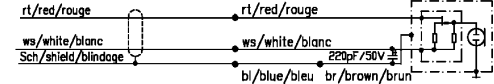


WIRING DIAGRAMS

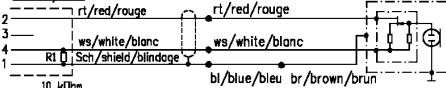
Opus 54



.09



.16/3



.18



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