

# Opus 54

## NECKWORN MICROPHONE

**beyerdynamic**

### 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 with mini jack socket (3.5 mm) or 4-pin Lemo-socket 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.

### 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 . . . . . approx. 6 mV/Pa  
Nominal impedance . . . . . approx. 800  $\Omega$   
Load impedance . . . . .  $\geq 4.7$  k $\Omega$   
Max. SPL at f = 1 kHz,  
k = 1%, R = 1 k $\Omega$  . . . . . 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) or  
3.5 mm mini stereo jack plug (Opus 54.100)  
Weight (without cable) . . . . . 39 g

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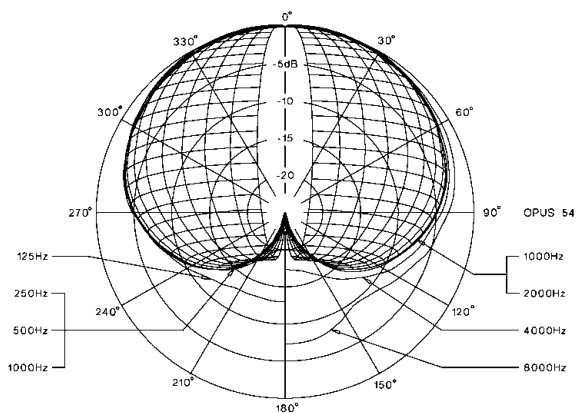
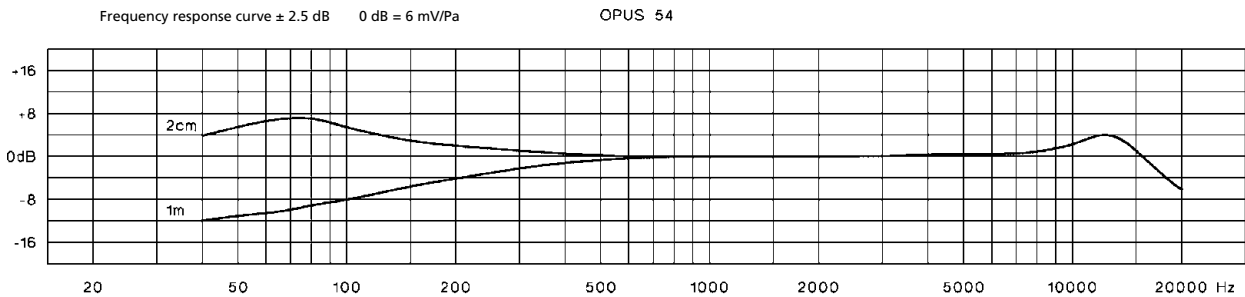
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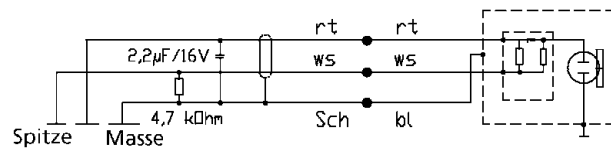
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## FREQUENCY RESPONSE & POLAR PATTERN

This polar pattern and frequency response curve ( $\pm 2.5$  dB) correspond to typical machine run specifications for this microphone.



## WIRING DIAGRAM



## VERSIONS

|             |                                    |                 |
|-------------|------------------------------------|-----------------|
| Opus 54.09  | with bare-ended cable .....        | Order # 460.419 |
| Opus 54.16  | with 4-pin Lemo-plug .....         | Order # 460.184 |
| Opus 54.100 | with 3.5 mm stereo jack plug ..... | Order # 458.511 |