

## MPC 22

### Acoustical Boundary Microphone



#### FEATURES

- Aimable half-cardioid polar pattern
- High gain-before-feedback
- Flat, wide range frequency response
- High-quality reproduction of speech
- Unobtrusive design
- Ceiling or tabletop mounting
- Fast and easy installation

#### APPLICATIONS

The MPC 22 acoustical boundary microphone is designed for mounting into tabletops and ceilings. The half-cardioid polar pattern is aimable and assures high-gain-before feedback. The high sensitivity guarantees a constant output level even from long distance sources. Elastic bearing rings achieve mechanical isolation from the mounting surface and therefore offer effective sound isolation of the microphone. The MPC 22 is designed for applications such as tele/video conferencing, recording or amplification of round table discussions and wherever the microphone needs to be as unobtrusive as possible.

#### VERSIONS

MPC 22 sw	Half-cardioid, black . . . . .	Order # 441.589
MPC 22 ws	same as above, but white . . . . .	Order # 441.597
MPC 22 EQ3 sw	Half-cardioid, black, bass roll off filter . . . . .	Order # 447.190
MPC 22 EQ3 ws	same as above, but white . . . . .	Order # 447.218

#### SUPPLIED ACCESSORIES

- Elastic bearing rings

#### INSTALLATION

- Mounting hole with elastic bearing rings: Ø 24 mm (15/16")
- Mounting hole with elastic bearing rings: Ø 20 mm (13/16")
- Max. table-/ceiling thickness: 57 mm (2.25")

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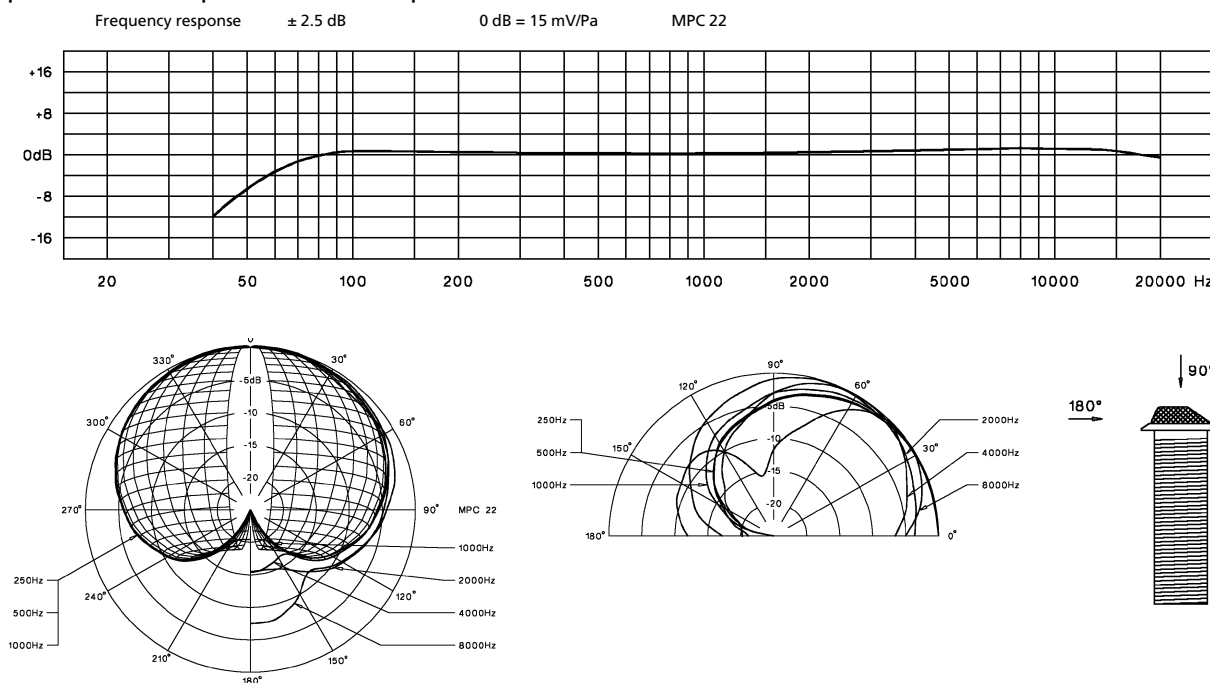
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## TECHNICAL SPECIFICATIONS

Transducer type	Condenser (back electret)
Operating principle	Pressure gradient
Frequency response	60 - 20,000 Hz
Polar pattern	Half-cardioid
Open circuit voltage	15 mV/Pa $\pm$ -36.5 dBV
Nominal output impedance	200 $\Omega$
Load impedance	$\geq$ 1000 $\Omega$
Max. SPL at 1 kHz	124 dB
Signal-to-noise ratio rel. to 1 Pa	60 dB
A-weighted equivalent SPL	26 dB
Supply voltage	8 - 52 V phantom power
Consumption	3.4 mA
Connector	3-pin XLR male
<b>Dimensions</b>	
Height x Head diameter	9 x 30 mm
Weight	approx. 70 g

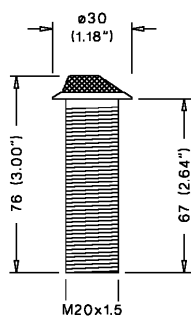
## FREQUENCY RESPONSE & POLAR PATTERN

This frequency response curve (measuring tolerance  $\pm$  2.5 dB) and polar patterns correspond to a typical production sample for this microphone.



## MEASUREMENTS

In millimetres (inches in brackets)



## WIRING DIAGRAM

Positive pressure produces positive voltage on pin 2.

