

MKH 416-P48U3

Short gun
microphone

FEATURES

- Increased directivity due to interference tube principle
- Very low inherent self-noise
- High sensitivity
- Transformerless and fully floating balanced output
- Rugged, suitable for adverse climatic conditions
- Matt black all-metal body

The **MKH 416** is a short gun interference tube microphone. Its excellent directivity and compact design, high consonant articulation and feedback rejection make the MKH 416 a superb all-round microphone for film, radio and television, especially for outside broadcast applications.



ARCHITECT'S SPECIFICATIONS

The short gun interference tube microphone shall be a super-cardioid/lobar RF condenser designed for film, radio, TV and outside broadcast applications.

It shall have an all-metal body and a transformerless and fully floating balanced output.

The microphone shall be rugged and suitable for adverse climatic conditions.

The frequency response shall be 40 Hz – 20,000 Hz and the sensitivity (free field, no load) at 1 kHz shall be 25 mV/Pa $\pm$ 1 dB.

Nominal impedance shall be 25 Ω , with a min. terminating impedance of 800 Ω .

A-weighted equivalent noise level shall be 13 dB, CCIR-weighted equivalent noise level shall be 24 dB.

Maximum SPL at 1 kHz shall be 130 dB.

The microphone shall operate on 48 V $\pm$ 4 V phantom power. Current consumption shall be 2 mA. Dimensions shall be 19 x 250 mm (0.75" x 9.84"). Weight shall be approximately 165 grams (5.82 oz). The microphone shall be the Sennheiser MKH 416-P48U3.

TECHNICAL DATA

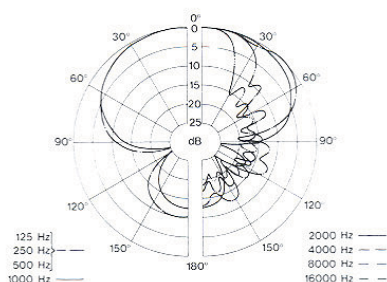
Transducer principle	RF condenser microphone
Pick-up pattern.....	super-cardioid/lobar
Frequency response	40.....20,000 Hz
Sensitivity (free field, no load at 1 kHz)	25 mV/Pa $\pm$ 1 dB
Nominal impedance.....	25 Ohm
Min. terminating impedance	800 Ohm
Equivalent noise level (A-weighted).....	13 dB
Equivalent noise level (CCIR-weighted).....	24 dB
Maximum sound pressure level.....	130 dB
Phantom powering.....	48 V $\pm$ 4 V
Current consumption	2 mA
Dimensions.....	$\varnothing$ 19 x 250 mm
Weight.....	approx. 165 g

DELIVERY INCLUDES

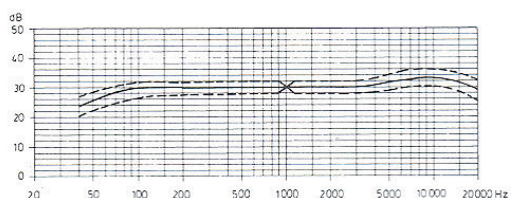
- 1 MKH 416 P 48 U 3
- 1 MZW 415 windshield
- 1 MZQ 100 microphone clamp

MKH 416-P48U3 Short gun microphone

POLAR PATTERN



FREQUENCY RESPONSE



RECOMMENDED ACCESSORIES

MZQ 415-3 – Microphone clamp	000944
MZG 415-3 – Swivel mounts	001955
MZT 441 – Desk stand	000799
MZS 415-3 – Shock mount	001956
MZT 100 – Desk stand	001883
MZS 816 – Shock mount	002992
MZP 816 – Pistol grip	001932
MZW 60 – Windscreen combination	003153
MZW 415 – Foam rubber windshield	000895
MZN 16 P48 U – Power supply unit	001241

Sennheiser electronic GmbH & Co. KG
Am Labor 1, 30900 Wedemark, Germany
www.sennheiser.com