



MKH 416 P48 U3 Short Shotgun Microphone

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.

Features—Benefits

- 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
- Increased directivity
- Optimum S/N ratio
- Lower gain on input channels required
- Lowest noise and greatest signal stability
- Highly immune to humidity in all conditions. Extremely stable.
- Visually “low key”

Technical Data

| | |
|-----------------------------------|-------------------------|
| Pick-up pattern | super-cardioid/lobar |
| Frequency response | 40–20,000 Hz |
| Sensitivity (free field, no load) | (1 kHz) 25 mV/Pa ± 1 dB |
| Nominal impedance | 25 Ω |
| Min. terminating impedance | 800 Ω |
| Equivalent noise level | |
| A-weighted (DIN IEC 651) | approx. 13 dB |
| CCIR-weighted (CCIR 468-3) | approx. 24 dB |
| Max. sound pressure level | 130 dB at 1 kHz |
| Power supply phantom | 48 ± 12 V |
| Supply current | 2 mA |
| Dimensions in inches | .74 x 9.84 |
| Weight approx. | 5.82 oz |

Product Variants

MKH 416-TU3 - 12V A-B Powering Version

Supplied Accessories

1 MZW 415 windshield

Optional Accessories

| | |
|--------------------------------------|---------------|
| Phantom battery power supply unit | MZA 14 P 48 U |
| Stand adapter | MZQ 100 |
| Foam windshield | MZW 41 |
| Shock mount | MZS 20-1 |
| Basket windshield | MZW 20-1 |
| Long hair windcoat | MZH 20-1 |
| AC powered phantom supply for 2 mics | N 48I-2 |
| Blimp windscreen | MZW 60-1 |

Product Compatibility

Film, radio and television, especially for outside broadcast applications.

Architect's Specifications

The microphone shall be a super-cardioid/lobar short interference tube microphone with the following: frequency response 40–20,000 Hz, sensitivity (free field, no load) 25 mV/Pa \pm 1 dB at 1 kHz, nominal impedance 25 Ω , min. terminating impedance 800 Ω , equivalent noise level A-weighted approx. 13 dB, CCIR-weighted approx. 24 dB, max. sound pressure level 130 dB at 1 kHz, phantom powering 48 \pm 12 V, supply current 2 mA, dimensions .74 x 9.84 inches, weight approx. 5.82 oz. The microphone shall be a Sennheiser MKH 416.

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