

# HME 26-II Broadcast Headset with pre-polarized Condenser Microphone.

## FEATURES

- Lightweight with extra soft cushions for excellent wearing comfort
- Headphone with very accurate sound reproduction for professional applications
- Pre-polarized condenser microphone for audio transmission with highest intelligibility, can either be worn right or left hand side
- ActiveGard™ (on/off switch) for protected hearing
- Reliable performance over long lifetime for safe investments
- Swivelling ear cap for single sided listening
- Modular concept of boom, cable and cushions for highest flexibility

The HME 26-II applies to the requirements of most demanding broadcast applications for TV or Radio. The pre-polarized condenser microphone has an excellent feedback rejection and features brilliant acoustic performance for audio transmission in highest broadcast quality.

The closed, supra-aural headphones have a very good passive noise attenuation and a high maximum SPL and are equipped with ActiveGard™. This limiter can be activated or deactivated.



## ARCHITECT'S SPECIFICATIONS

A broadcast headset has to be provided with a pre-polarized condenser microphone with cardioid pattern. The microphone is especially protected against hum. The flexible boom allows individual right positioning of microphone and can be worn on either right or left hand side. The headphones have a high maximum sound pressure level. The ActiveGard™ limiter technology protects hearing from volume peaks above 105 dB and can be activated or deactivated. The swivelling ear cap allows listening to the environment whenever needed. The headset is light weighted, provides expandable split headband and extra soft ear cushions and headband paddings for outstanding wearing comfort even during long production days. Following the modular concept, ear cushions, paddings and cable can be replaced easily. The modular set-up of the 26-II family permits different variants of cables and connectors. Corresponding cable-II family is copper material reinforced with Kevlar® for highest durability. The special shape with short coiled part absorbs born noise coming from cable perfectly.

## TECHNICAL DATA

### HEADPHONES

Transducer principle .....	dynamic, closed
Ear coupling .....	supra-aural
Frequency response.....	20...18,000 Hz
Impedance.....	100 Ω stereo HME 26-II-100
.....	600 Ω HME 26-II-600
Characteristic SPL.....	105 dB SPL at 1 kHz, 1 mW
.....	115 dB SPL at 1 kHz, 1 V
Maximum SPL .....	ActiveGard™ switched on:
.....	105 dB SPL at 1 kHz
.....	ActiveGard™ switched off:
.....	128 dB SPL at 1 kHz, 200 mW
Passive noise attenuation .....	approx. 18 dB
Distortion.....	< 0,5% at 1 kHz)
Contact pressure .....	approx. 3.9 N

### MICROPHONE

Type .....	BKE 4-4/BKE 4-2
Transducer principle .....	pre-polarized condenser microphone, cardioid pick-up pattern
Frequency response.....	40...20,000 Hz
Maximum SPL .....	150 dB at 1 kHz, 0.5 % THD
Output voltage .....	4 mV/Pa +/- 2,5 dB
Terminating impedance .....	min. 4.7 kΩ
Supply voltage.....	5-15V DC

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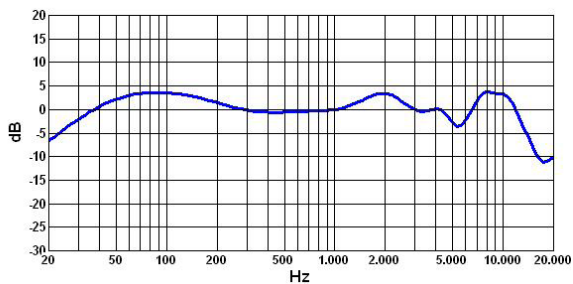
# HME 26-II Broadcast Headset with pre-polarized Condenser Microphone.

## TECHNICAL DATA

### GENERAL DATA

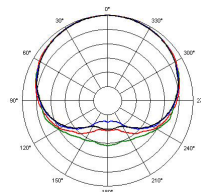
Ambient temperature (operation) ..... -15°C to +55°C  
Ambient temperature (storage) ..... -55°C to +70°C  
Weight w/o cable ..... approx. 205g

## FREQUENCY RESPONSE

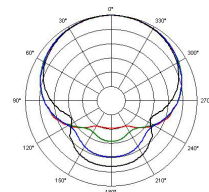


## POLAR PATTERN

### HME 26-II-100 (4) / HME 26-II-600 (4)

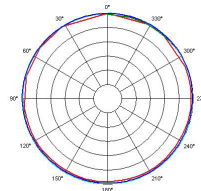


low frequencies

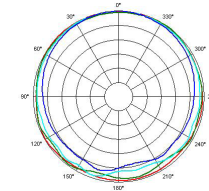


high frequencies

### HME 26-II-100 / HME 26-II-600



low frequencies



high frequencies

## PRODUCT VARIANTS

- 505778 HME 26-II-100(4)-P48 Broadcast Headset, 100  $\Omega$  impedance, cardioid pre-polarized condenser microphone, optimized for operation at audio codec devices with P48 interface, w/o cable
- 505779 HME 26-II-100 broadcast headset, 100  $\Omega$  impedance, pre-polarized omni-directional pre-polarized condenser microphone, w/o cable
- 505780 HME 26-II-600(4) broadcast headset, 600  $\Omega$  impedance, pre-polarized cardioid pre-polarized condenser microphone, w/o cable
- 505781 HME 26-II-600 broadcast headset, 600  $\Omega$  impedance, pre-polarized omni-directional pre-polarized condenser

## RECOMMENDED ACCESSORIES

- Cable clip HZC 11
- Ear pads leatherette
- Ear pads velours
- Headband padding small
- Headband padding large
- Wind and pop screen for condenser microphone BKE 4-4
- Wind and pop screen for condenser microphone BKE 4-2
- Large wind and pop screen for condenser microphone BKE 4-4
- Large wind and pop screen for condenser microphone BKE 4-2
- Hygiene covers HZH 26 white, 200 pair (master carton)
- Hygiene covers HZH 26 black, 200 pair (master carton)
- Carrying case, black

## CABLES

- 505797 cable II-8, copper cable reinforced with Kevlar® with short coiled part for minimum structure born noise, unterminated ends
- 505782 cable II-X3K1, copper cable reinforced with Kevlar® with short coiled part for minimum structure born noise, XLR-3 connector and 6,3 mm (1/4") jack plug
- 505783 cable II-X3K1-P48, copper cable reinforced with Kevlar® short coiled part for minimum structure born noise, XLR-3 connector and 6,3 mm (1/4") jack plug and phantom powering 48V
- 505784 cable II-X4F, copper cable with short coiled part for minimum structure born noise, XLR 4 female connector
- 505785 cable II-X5, copper cable reinforced with Kevlar® with short coiled part for minimum structure born noise, XLR 5 connector
- 502360 cable-7, steel cable straight with open ends, suitable for assembly of up to 2 connectors