

# HME 100

## Headsets | Pilot's Headset

Cat. No. 004701 HME 100  
 Cat. No. 005182 HME 105  
 Cat. No. 004702 HME 120

### General Description

The HME 100 / HME 105 / HME 120 is a pilot's headset with closed ear protector headphones and excellent passive noise attenuation for use in helicopters, propeller and turbo-prop aircraft.



### Features

- Constant attenuation of up to 40 dB
- Advanced transducer design ensures excellent speech intelligibility
- Headphone volume control
- Noise-compensated boom microphone for superior speech transmission
- Delivery includes: 1 HME 100 / HME 105 / HME 120
  - 1 carrying case for headset and accessories
  - 1 MZQ 2002-1 cable clip
  - 1 MZW 45 windshield

### Recommended Accessories

- Gel ear pads Cat. No. 083140

### Replacement Parts

- Ear pads (1 pair) Cat. No. 050799
- MZW 45 windshield Cat. No. 075823

### Technical Data

#### Headphones

Transducer principle ..... dynamic  
 Ear coupling ..... circumaural, closed  
 Frequency response ..... 45 – 15,000 Hz  
 Nominal impedance active/passive  
 HME 100/105/120 ..... 150 Ω, mono  
 HME 100 ..... 300 Ω per system, stereo  
 Attenuation (passive) ..... > 10 – 40 dB  
 NRR (Noise Reduction Rating) ..... 24 dB  
 Contact pressure ..... approx. 10 N  
 Weight without cable ..... 350 g

#### Microphone incl. Preamplifier

Type ..... MKE 45-1  
 Transducer principle ..... back-electret condenser capsule,  
 noise-compensated  
 Frequency response ..... 300 – 5,000 Hz  
 Max. SPL ..... 120 dB  
 Output voltage ..... 400 mV ± 3 dB at 114 dB/SPL  
 (as per RTCA/DO 214)  
 Terminating impedance ..... 150 Ω  
 Operating voltage ..... 8 – 16 V DC, approx. 8 – 25 mA  
 (as per RTCA/DO 214)

#### General Data

##### Connection cable

HME 100/105 ..... single-sided round cable, length 1.5 m  
 HME 120 ..... single-sided coiled cable

##### Connectors

HME 100  
 – Headphones ..... 1/4" stereo jack  
 – Microphone ..... PJ-068 (5.25 mm Ø)  
 HME 105  
 – Headphones + Mic ..... XLR-5  
 HME 120  
 – Headphones + Mic ..... U-174/U  
 Specials

HME 100/105/120 ..... headphone volume control,  
 HME 100 ..... mono/stereo switch  
 Operating temperature ..... – 15 °C ... + 55 °C  
 Storage temperature ..... – 55 °C ... + 55 °C