

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