

HMEC 450 NoiseGard™

Headsets | Pilot's Headset with NoiseGard™ Active Noise Compensation

Cat. No. 500566

General Description

The HMEC 450 is a pilot's headset with closed ear protector headphones and NoiseGard™ active noise compensation for use in propeller and turbo-prop aircraft.



Features

- Constant attenuation of up to 40 dB throughout the entire audio range
- Advanced transducer design ensures excellent speech intelligibility
- Electronics fully integrated into headphone capsules
- Can be used as conventional headphones when supply voltage is switched off
- Noise-compensated boom microphone for superior speech transmission
- JTSO approval C57a and C58a
- 10 years warranty
- Delivery includes: 1 HMEC 450 NoiseGard™, 1 x 3-pin input socket for aircraft's internal power supply, 1 carrying case for headset and accessories, 1 MZQ 2002-1 cable clip, 1 MZW 45 wind and pop screen

Recommended Accessories

- BP-04 battery pack Cat. No. 500357
- ACX-1 cigarette lighter adaptor, 1 set
- ACX-2 cigarette lighter adaptor, 2 sets
- ACX-11 cigarette lighter adaptor, 1 set
- ACX-22 cigarette lighter adaptor, 2 sets
- MZQ 2002-1 cable clip Cat. No. 044740

Replacement Parts

- Ear pads (1 pair) Cat. No. 085764
- Ear pads (1 pair), soft Cat. No. 089382
- GEL ear pads Cat. No. 092807
- MZW 45 wind and pop screen Cat. No. 075823

Technical data

Headphones

Transducer principle.....dynamic
 Frequency response45 – 15000 Hz
 Nominal impedance (active/passive).....300/150 Ω mono,
 600/300 Ω stereo
 Attenuation (active + passive).....> 25 – 40 dB
 Weight w/o cable380 g (13.40 oz)

Microphone (incl. Preamplifier)

Type MKE 45-1
 Transducer Principle.....condenser capsule,
 noise-compensated
 Frequency response300 – 5.000 Hz
 Max. SPL120 dB
 Output voltage.....400 mV ±3 dB at 114 dB/SPL
 Operating voltage typ. 16 VDC (8 – 16 V DC, 8 – 25 mA)

General Data

Connection cable.....single-sided round cable,
 length 1.5 m (4,92 ft)
 NoiseGard™ supply.....12 – 35 V DC
 Correct consumption.....appx. 27 mA, max. 80 mA
 Fuse500 mA multifuse
 Connectors
 – Headphones1/4" stereo jack
 – Microphones.....PJ-068, Ø 5.25 mm (0.21")
 – NoiseGard™ supplyXLR-3
 SpecialsNoiseGard™ on/off switch,
 headphone volume control,
 mono/stereo switch
 Operating temperature – 15 °C ... + 55 °C
 Storage temperature – 55 °C ... + 55 °C