

HMEC 350/HMEC 352/HMEC 356 NoiseGard™

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

General Description

The HMEC 350 / HMEC 352 / HMEC 356 is a pilot's headset with closed ear protector headphones and NoiseGard™ active noise compensation for use in helicopters, 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
- 5 years warranty
- Delivery includes: 1 HMEC 350 / HMEC 352 / HMEC 356 NoiseGard™
1 x 3-pin input socket for aircraft's internal power supply (except HMEC 352 / HMEC 356), 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
- ACX-2 cigarette lighter adaptor
- ACX-11 cigarette lighter adaptor*
- ACX-22 cigarette lighter adaptor*

* with right-angled jack connector, 7.5 A flat fuse and LED display

Replacement Parts

- Ear pads (1 pair) Cat. No. 077966
- GEL ear pads Cat. No. 092807
- MZW 45 wind and pop screen Cat. No. 075823

Product Variants

- HMEC 350 Cat. No. 500561
- HMEC 352 Cat. No. 500567
- HMEC 355 Cat. No. 500563
- HMEC 355-C Cat. No. 500564
- HMEC 356 Cat. No. 500565
- HMEC 372 Cat. No. 500562

Technical Data

Headphones

Transducer principle.....	dynamic
Ear coupling.....	circumaural, closed
Frequency response.....	45 – 15,000 Hz
Nom. impedance	
active/passive.....	300 Ω/150 Ω, mono 600 Ω/300 Ω per system, stereo
Attenuation (active + passive).....	> 25 – 40 dB
NRR (Noise Reduction Rating).....	25 dB
Max. SPL.....	118 dB linear
Contact pressure.....	approx. 10 N
Weight without cable.....	370 g (13.05 oz)

Microphone incl. Preamplifier

Type.....	MKE 45-1
Transducer principle.....	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, 8 – 25 mA (as per RTCA/DO 214)

General Data

Connection cable.....	single-sided round cable, length 1.5 m (4,92 ft)
NoiseGard™ supply.....	12 – 35 V DC
Current consumption.....	approx. 27 mA, max. 80 mA
Fuse.....	500 mA multifuse
Connectors	
HMEC 350	
– Headphones.....	1/4" stereo jack
– Microphone.....	PJ-068, Ø 5.25 mm (0.21")
– NoiseGard™ supply.....	XLR-3
HMEC 352	
– Headphones.....	1/4" stereo jack
– Microphone.....	PJ-068, Ø 5.25 mm (0.21")
– NoiseGard™ supply via tip of the microphone connector.....	12 – 35 V DC
HMEC 356	
– Headphones, Mic + NoiseGard™ supply.....	6-pin Redel connector
Specials.....	NoiseGard™ on/off switch, headphone volume control, mono/stereo switch
Operating temperature.....	– 15 °C ... + 55 °C
Storage temperature.....	– 55 °C ... + 55 °C