

# HMEC 355/HMEC 355-C/HMEC 372 NoiseGard™

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

### General Description

The HMEC 355 / HMEC 355-C / HMEC 372 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 355 / HMEC 355-C / HMEC 372 NoiseGard™  
1 x 3-pin input socket for aircraft's internal power supply (except HMEC 355), 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 cable for one headset
- ACX-2 cigarette lighter adaptor cable for two headsets
- ACX-11 cigarette lighter adaptor cable for one headset\*
- ACX-22 cigarette lighter adaptor cable for two headsets\*

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

### Product Variants

- HMEC 355 Cat. No. 500563
- HMEC 355-C Cat. No. 500564
- HMEC 372 Cat. No. 500562
- HMEC 350 Cat. No. 500561
- HMEC 352 Cat. No. 500567
- HMEC 356 Cat. No. 500565
- HMEC 450 Cat. No. 500566
- HMEC 460 Cat. No. 500788

### 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
Attenuation (active + passive).....	> 25 – 40 dB
NRN (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 bipolar
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	
HMEC 355/355-C .....	single-sided round cable, length 1.5 m (4.92 ft)
HMEC 372 .....	single-sided coiled cable
NoiseGard™ supply.....	12 – 35 V DC
Current consumption .....	approx. 27 mA, max. 80 mA
Fuse .....	500 mA multifuse
Connectors	
HMEC 355	
– Headphones, Mic + NoiseGard™ supply .....	XLR-5
HMEC 355-C	
– Headphones + Mic .....	XLR-5
– NoiseGard™ supply .....	XLR-3
HMEC 372	
– Headphones + Mic .....	U-174/U
– NoiseGard™ supply .....	XLR-3
Specials .....	NoiseGard™ on/off switch, headphone volume control
Operating temperature .....	– 15 °C ... + 55 °C
Storage temperature .....	– 55 °C ... + 55 °C

### Replacement Parts

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