

HMEC 25 NoiseGard™

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

Cat. No. 004316	HMEC 25-CA
Cat. No. 004317	HMEC 25-KA
Cat. No. 004648	HMEC 25-KAX-1
Cat. No. 005308	HMEC 25-6A

General Description

The HMEC 25 is a very lightweight and comfortable closed pilot's headset with NoiseGard™ active noise compensation. Different connector and powering versions are available to suit every conceivable cockpit configuration.



Features

- Noise reduction of approx. 15 dB – consequently ATC signal can be decreased
- Lightweight and extremely comfortable to wear
- Two-piece adjustable headband ensures a secure fit
- Boom microphone with noise-compensated electret capsule
- Adjustable microphone boom can be turned through 350° and thus be worn on either side
- Replaceable microphone capsule and microphone preamplifier
- FAA and JAA TSO approval C 57 a and C 58 a
- Delivery includes: 1 HMEC 25 headset, 1 MZW 45 windshield
1 MZQ 2002-1 cable clip

Recommended Accessories

- HZP 25 hygiene pads Cat. No. 077900

Replacement Parts

- Ear pads (1 pair) Cat. No. 075527
- MZW 45 windshield Cat. No. 075823

Technical Data

Headphones

Transducer principle.....	dynamic
Ear coupling	supra-aural, closed
Frequency response	16 – 22,000 Hz
Nom. impedance	200 Ω
Nominal SPL.....	92 dB/SPL ± 3 dB
(1 kHz, 1 mW)	(as per RTCA/DO 214)
Active noise compensation.....	15 dB ± 3 dB between 100 Hz and 2 kHz
NRR (Noise Reduction Rating)	11 dB
THD	< 1 %
Contact pressure.....	approx. 2.5 N
Weight without cable	170 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 (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.....	single-sided round cable, length 1.8 m
NoiseGard™ supply	
-CA/-KA.....	2 x 1.5 V AA battery, operating time > 20 h
-KAX-1	12 – 35 V DC from the aircraft, via XLR-3 connector
Switch	
-CA/-KA.....	Battery/NoiseGard™ on/off
-KAX-1	NoiseGard™ on/off
Indicator	
-CA/-KA.....	two-colour LED for Power On/Low Bat
Connector(s)	
-CA	XLR-5
-KA	
Headphones.....	1/4" stereo jack (6.3 mm Ø) (converted to mono)
Microphone	PJ-068 (5.25 mm Ø)
-KAX-1	
Headphones	1/4" stereo jack (6.3 mm Ø) (converted to mono)
Microphone	PJ-068 (5.25 mm Ø)
NoiseGard™ supply.....	XLR-3