



HMEC 45-KA Supraural Active Noise Reduction Headset

The HMEC 45-KA Open Aire™ headset features the NoiseGard® system for active noise compensation. Ambient noise in the frequency range between 400 and 1000 Hz is effectively reduced by 10 dB. The excellent sound reproduction is paralleled in its quality by a noise cancelling back-eletret microphone for clear speech transmission.

Features—Benefits

- NoiseGard® System—Ambient noise between 400 and 1000 Hz are reduced by 10 dB, which means clearer communication
- 2 piece headband—secure and comfortable fit
- Very lightweight
- Two-piece adjustable headband ensures excellent comfort
- Robust
- Excellent transmission of speech due to noise-compensated condenser microphone
- Flexible mic boom, can be worn on either left or right-hand side
- Single-sided cable
- FAA and JAA TSO approval C 57 a and C 58 a

Technical Data

Headphone

Transducer principle	dynamic, open
Frequency response	20–18,000 Hz
Impedance	600 Ω active 150 Ω passive
Load rating	200 mW
THD	<1 %
Active Compensation	10 dB ± 3 dB between 400 Hz and 1 kHz

Microphone (including preamplifier)

Transducer principle	noise cancelling back-eletret condenser
Frequency response	300 Hz–5 kHz (corresponds to ARINC 538B)
Max. sound pressure level	120 dB
Terminating Impedance	150 Ω
Operating voltage	6–16 V DC, approx 16 mA Connections according to RTCA/DO 214

General data

Contact pressure	approx. 1.6 N
Weight without cable	approx 140 g
Cable	single sided, 1.8 m
Power supply for NoiseGard® system	2 x 1.5 V AA type batteries or 2 x 1.2 V AA type rechargeable batteries, 600 mA
Operating time	batteries: approx 80 hours rechargeable batteries: approx 20 hours
Display	green LED for battery status

Product Variants

Stereo version of the HMEC 45-KA; includes left & right volume control	HMEC 45-KAS
PJ-type connector, pin 5 powered (28 V aircraft)	HMEC 45-CAP
PJ-type connector, mic jack powered (28 V aircraft)	HMEC 45-KAP
PJ-type connector, XLR-3 powered (12–35 V)	HMEC 45-KAX