

RACAL ACOUSTICS

RA155 Atlantic

MEDIUM/HIGH NOISE HEADSETS



Military transport, AEW and certain other aircraft frequently subject crew members to unacceptably high noise levels. Noise impairs communications, and on long flights, reduces crew efficiency. Prolonged exposure to high noise levels is, of course, also a hazard to the sense of hearing. In a depressurised cabin, either by intent or by an emergency, provision must be made for the use of oxygen masks.



APPLICATIONS

To achieve communications with satisfactory intelligibility and to reduce the risk of noise-induced hearing damage, noise attenuating headsets are required. Where appropriate, these must be compatible with the oxygen mask and integral microphone.

During long flights, both the weight and the clamping force of the noise-attenuating headset on the head have a significant impact on crew comfort and efficiency.

Racal Acoustics has designed the RA155 Atlantic Headset to combine the communications facilities, noise attenuation and mask compatibility which are required in these aircraft, with the comfort which is so important.

PRODUCT DESCRIPTION

The RA155 Atlantic Headset consists of two lightweight, high quality, noise-attenuating earshells, flexibly mounted on a sprung wire headband. The earshells are fitted with a robust polyurethane-covered earpad which provides an excellent seal to the head with the minimum clamping force on the head.

The headband is adjustable, and is covered with a soft padded cover which spreads the weight of the headset comfortably over a large area.

Where required, oxygen mask clips are fitted to the outer faces of the earshells, and a soft adjustable neckstrap is provided. The neckstrap gives the headset additional stability on the head, and offers security when the mask is in use.

Typically the headset is fitted with a noise-cancelling microphone mounted on a boom arm with a very wide range of personal adjustment. A unique feature of the boom arm is its repositioning facility. When an oxygen mask is in use, the boom arm can be parked without losing the personal adjustment which the user has selected. On reverting back to the boom microphone, the boom is simply swung to the normal preset position.

Options for the RA155 Atlantic Headset include a wide range of earphone and microphone types, microphone amplifiers, coiled and straight cables, switches, and anti-perspiration covers for the earpads.

Esterline
Communication Systems

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