



NSN: 6625-66-135-5710

ATK-1000 AUDIO TEST KIT

Description

The Audio Test Kit, ATK-1000 was designed in conjunction with the RAAF to allow fast in- field testing of HF, SSB modulation levels, to the transmitter from a remote site over a 600 ohm line.

The kit consists of;

A light but very substantial, waterproof carry case

Headset and boom microphone

A battery operated main amplifier/compressor unit small enough to be worn or clipped to the operators belt

PTT/headset adaptor cable

Battery eliminator 9Vdc plug pack

Three different test cable assemblies

Codan earth lead

Operating Overview

A microphone signal is fed from the operator's headset where the speech is initially compressed, volume limited, background noise suppressed and frequency tailored. The audio is then routed through a second stage for final speech compression, threshold noise suppression and limiting. The audio is then manually selected via the rotary front panel switch to -15dBm, -10dBm, 0dBm or +6dBm, +/-0.2dBm before being routed to the test lead via a 1kV isolation, 600 ohm matching transformer. The unit also provides a 600 ohm line isolated receive audio path to the headset earphones as well as operator sidetone, remote PTT keying and codan detect indication via a LED located on the front panel.

