

Insertion loss test equipment

Description:

As fully described in the standards, this system is designed to facilitate measurement of the insertion loss of earmuffs, when fitted to an acoustic test fixture, as specified in EN 352 Parts 1 and 3.

The system includes the acoustic duct, fitted with a suitable loudspeaker. The specified ATF and isolation cup are provided, including the 1" microphone cable and preamplifier.

The signal generating and sound level measuring system is fully programmed and controlled by a laptop computer (included), the output of which is recorded to disc – or to hard copy via a printer (not included).

Also provided is a separate directional microphone, which is used with the same signal generating and sound level measuring system, in order periodically to calibrate the sound field within the duct.

A sound level calibrator (itself carrying traceable calibration) is also included.

Services required:

Bench mounted
110/230 volts AC, 50/60Hz, mains electricity

Approximate packed size & weight:

To be advised with quotation

Relevant standards:

EN 13819-2:2002, clause 4.1.2
ISO 4869-3, clauses 5.2.3 and 3 and figures 1 and 2

