

Earmuff fit and force test equipment

Description

As fully described in EN 13819-1:2002, and required for testing earmuffs to EN 352 Parts 1 and 3, this equipment facilitates measurement of the adjustability of, and force exerted by, the headband of a pair of earmuffs, over a wide range of size adjustment.

The settings of 'test height', 'test width' and 'test depth' are directly indicated and cup articulation up to $\pm 15^\circ$ from parallel can be assessed.

Included with the equipment are a pair of the specified artificial pinnae and securing screws.



If a 'print' of the cushion contact area is made and subsequently measured, and the indicated force is noted, then cushion pressure can be derived.

Not included, but recommended, is a planimeter, suitable for measuring the cushion contact area mentioned above. Please refer to the separate planimeter specification sheet.

Optional Extra

Planimeter

Services required

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

Approximate size & weight

60 x 25 x 40cm & 8.5kg

Relevant standard

EN 13819-1:2002, clauses 4.2, 4.3, 4.4, and 4.5, and figures 3, 5 and 6