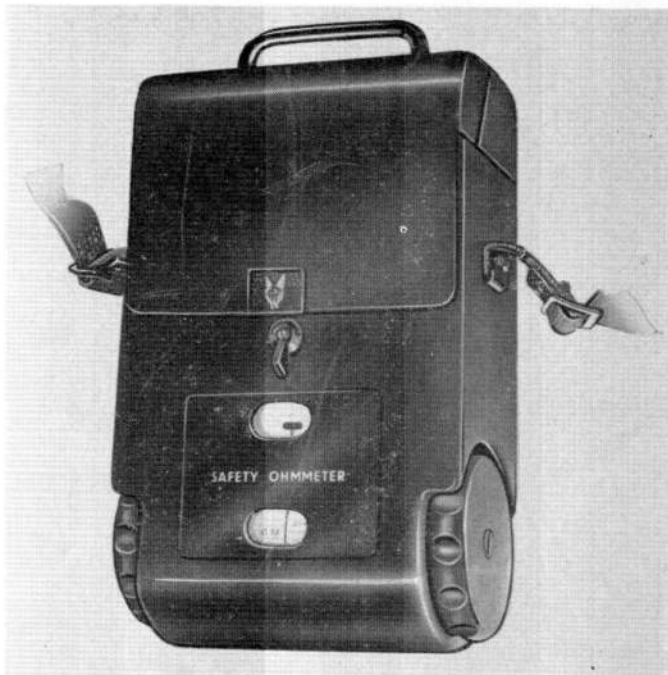


SAFETY OHMMETER, FAIREY TYPE



Air Ministry Ref. No. 5G/9436234
Admiralty Pattern No.
Dimensions 11½ in. × 7½ in. × 4 in.
Weight 8½ lb
Associated publication A.P.4343S, Vol. 1, Sect. 24, Chap. 18

BRIEF DESCRIPTION

The Fairey type safety ohmmeter is designed for continuity tests and the measurement of resistance values in circuits where, for reasons of safety, the current must not exceed 10 milli-amperes. The ohmmeter embodies a Wheatstone bridge which is supplied with power from a selenium photo-electric cell, the characteristics of which are such that the specified maximum testing current cannot be exceeded. The ohmmeter is contained in a protective metal case having a hinged flap which covers the photo-cell when the instrument is not in use. Two 3½ in. diameter control knobs, fluted for operation with gloved hands, control the range and potentiometer settings of the Wheatstone bridge; a galvanometer indicates the state of balance of the bridge and the range and resistance scales indicate the value of the resistance under test. With minimum light values a measurement accuracy of approximately 5 per cent may be obtained. The four ranges of the ohmmeter are 0 - 10 ohms, 0 - 100 ohms, 0 - 1,000 ohms and 0 - 10,000 ohms.

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