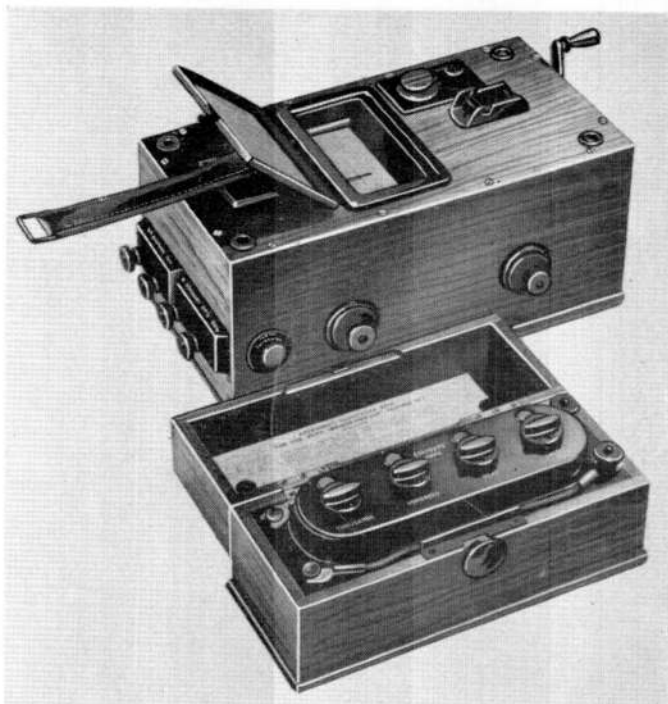


BRIDGE MEGGER TESTER, TYPE C



<i>Air Ministry Ref. No.</i>	...	...	...	5G/2282
<i>Admiralty Pattern No.</i>	...	...	...	6488
<i>Dimensions (Tester)</i>	...	...	...	14 $\frac{3}{4}$ in. \times 7 $\frac{3}{4}$ in. \times 7 $\frac{3}{4}$ in.
<i>(Resistance box)</i>	...	...	...	10 $\frac{3}{4}$ in. \times 4 $\frac{1}{2}$ in. \times 5 $\frac{1}{2}$ in.
<i>Weight (Tester)</i>	...	...	...	23 lb
<i>(Resistance box)</i>	...	...	...	5 $\frac{1}{2}$ lb
<i>Associated publication</i>				

BRIEF DESCRIPTION

The Bridge Megger tester, Type C consists of two separate units, the instrument, comprising a hand-driven generator and a direct-reading ohmmeter, being in one box whilst the variable resistance is in another. The generator is driven through a centrifugal clutch which ensures a constant pressure, for insulation testing, of 1,000 volts (or 250 volts in the A.P.6488 tester), at handle speeds of 120 r.p.m. and above, and of a lower voltage for Bridge tests. The ohmmeter scale is calibrated in thousands of ohms and megohms, the first marking after zero is 10,000 ohms and the marking prior to infinity is 100 megohms. The resistance box covers a range in one ohm steps from 1 ohm to 9,999 ohms which can be extended by use of the ratio switch on the tester. The accuracy of the Wheatstone bridge measurements is tabulated below.

Resistance under test (ohms)	Ratio switch setting	Percentage error
0.1	$\div 100$	10
1	$\div 100$	1
10	$\div 100$	0.4
100	$\div 10$	0.3
1,000	$\times 1$	0.3
10,000	$\times 10$	0.3
99,990	$\times 10$	0.25
100,000	$\times 100$	0.4
999,900	$\times 100$	0.45

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