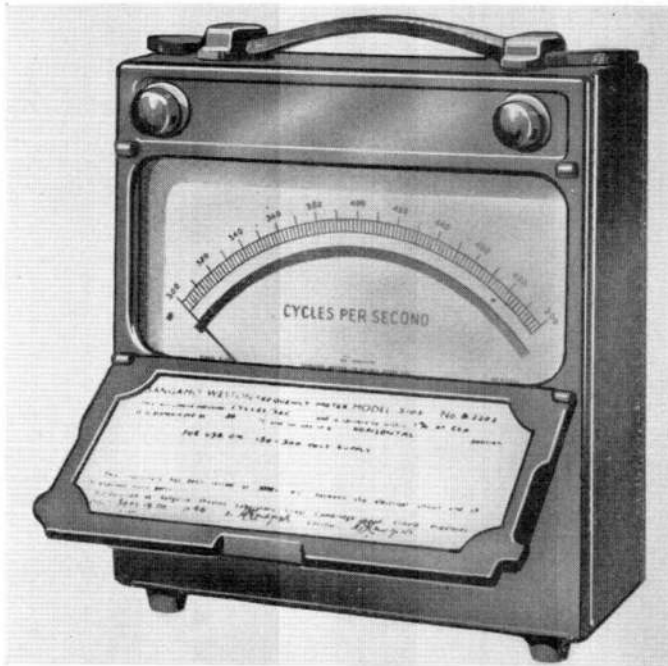


FREQUENCY METER, S 105



Air Ministry Ref. No. 5Q/181
Admiralty Pattern No.
Dimensions 7 in. × 7 $\frac{1}{8}$ in. × 3 in.
Weight 5 lb
Associated publication A.P.4343S, Vol. 1, Sect. 24, Chap 16

BRIEF DESCRIPTION

The S105 frequency meter is designed for use on 115 volt supplies over a range of frequencies from 1,200 to 2,000 c/s. The readings obtained are accurate to within ± 1 per cent of the maximum indicated frequency.

The instrument is housed in a moulded plastic carrying case and has a 6 in. scale which is linear throughout the frequency range. The meter comprises two ratiometer coils which are supplied with direct current from two bridge rectifiers, one of which is connected to the a.c. supply through a capacitance and the other through a resistance. The current through the coils varies with the frequency of the supply and the resultant movement of the coils is used to indicate the frequency direct on the scale.

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