OSCILLATOR, TEST, NO. 1
TECHNICAL HANDBOOK - DATA SUMMARY

PURPOSE

To provide a variable R.F. signal, amplitude modulated (A.M.), frequency modulated (F.M.) or continuous wave (C.W.) for use when carrying out unit and field repairs to field wireless equipment.

DESCRIPTION

A portable, sealed equipment with leads and terminating unit carried in the lid. The R.F. signal is variable in frequency and output. For A.M. the depth is fixed at 30% and of 1kc/s frequency. The equipment may be operated from mains or external battery.

PHYSICAL DATA

Height: 8½ in.
Length: 13 in.
Depth: 10½ in.
Weight: 30 lb.

Fig. 1 - General view of equipment

Distribution - Class 930. Code No. 6
FREQUENCY

The oscillator, test, No. 1 covers the band 35kc/s - 30Mc/s in seven bands:

(a) 35kc/s - 250kc/s
(b) 250kc/s - 700kc/s
(c) 700kc/s - 2Mc/s
(d) 2Mc/s - 4Mc/s
(e) 4Mc/s - 8Mc/s
(f) 8Mc/s - 16Mc/s
(g) 16Mc/s - 30Mc/s

The short term frequency stability is within ± 2%.

PERFORMANCE

R.F. output

Continuously variable from 1µV - 100mV in 2 db. steps up to 20db. and 20 db. steps up to 80db.

Accuracy ± 2db. except below 6µV where it is ± 1µV.

A.M.

Pre-set to approximately 30% at 1kc/s

F.M.

Deviation continuously variable and linear up to 40kc/s with indications at 0, 10, 20, 30 and 40kc/s.

57/Maint./2679

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