

TEST SET, DEVIATION, F.M. NO. 2

(Joint Service Designation: Test Set, Deviation F.M. No. 2, 25 to 100 Mc/s, CT45)

SUMMARY OF DATA

PURPOSE

To measure the carrier deviation of frequency modulated transmitters, in particular, Types 690, 691 and 615.

DESCRIPTION

The equipment consists of a low sensitivity F.M. receiver working on the superheterodyne principle. It has a tuning indicator, carrier deviation meter, and facilities for monitoring, aurally and visually, the modulation waveform by external means.



PERFORMANCE

Frequency Range 2.5 to 10 Mc/s and 20 to 100 Mc/s in 8 bands.

Deviation Range 0 to ± 75 kc/s in 3 bands viz.

0 to ± 5 kc/s) measured with any

0 to ± 25 kc/s) modulating frequency

0 to ± 75 kc/s) between 50 c/s and 15 kc/s

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POWER REQUIREMENTS AND CONSUMPTION

Power Supply 100 to 150V, 45-100 c/s A.C. in steps of 10V

200 to 250V, 45-100 c/s A.C. in steps of 10V

Power Consumption 70VA

PHYSICAL DATA

Weight 51 lb Width 19 in.

Height 7 in. Depth 15 in.

REMARKS

Alternative high and low input sockets are provided and minimum input required to operate the instrument is about 20 mV.

OTHER SERVICE AND COMMERCIAL DESIGNATION

Army Ref. ZD 00193

Marconi Instruments TF 934 and TF 791B

HANDBOOK

B.R.1771(9)

ESTABLISHMENT LIST

E1015

PRODUCTION SPECIFICATION

None