

## 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  $\pm 75$  kc/s in 3 bands viz.

0 to  $\pm 5$  kc/s ) measured with any

0 to  $\pm 25$  kc/s) modulating frequency

0 to  $\pm 75$  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