

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

CALIBRATION PROCEDURE FOR TEST SETS,
RELAY TS-1194/U AND TS-1194A/UHeadquarters, Department of the Army, Washington, D.C.
2 September 1969

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SECTION I
GENERAL

1. Purpose and Scope. a. This bulletin provides information for the periodic calibration of Test Sets Relay TS-1194/U and TS-1194A/U and is used by maintenance calibration personnel. Since calibration personnel are trained and qualified in the use of calibration test and measuring equipment, detailed instructions concerning the operation and use of these equipments are not contained in this bulletin.

b. This bulletin contains an illustration showing the location of all controls and components used in this calibration procedure.

2. Report of Technical Bulletin Improvements. Report of errors, omissions, and recommendations for improving this technical bulletin by the individual user is encouraged. Reports should be completed on DA Form 2028 (Recommended Changes to DA Publications) and forwarded direct to Commanding General, U.S. Army Electronics Command, ATTN: AMSEL-ME-NMP-AD, Fort Monmouth, N.J. 07703.

3. Description. Test Sets, Relay TS-1194/U and TS-1194A/U are used for testing sensitivity, contact circuit bias, contact circuit total breaktime, and insulation resistance of polar relays. Additional data is listed in a, b, and c below.

a. Identification.

Nomenclature - Test Set, Relay TS-1194/U or TS-1194A/U.
Federal stock number 6625-752-8633.
Line item number V90767.
Size 5 5/8 by 6 1/2 19-/1/4 in.
Weight..... 15 lb.
Reference TM 11-6625-362-35
TM 11-6625-362-12.

b. Specifications.

Line voltage input¹ 110 to 124 volts, single-phase, 50 to 70 cycles.
Power consumption¹..... 30 watts at 117 volts.
Meter ranges:
Sensitivity test..... 0-1 ma, 0-2.5 ma, 0-10 ma.
Bias test 0-25 percent marking; 0-25 percent spacing.
Break test 0-25 percent for one input cycle.
Insulation resistance ... Lamp indicates less than 1 megohm.

c. Program Data.

Time required for calibration 1 1/2 hours (approx.,
Calibration level Maintenance.
Calibration interval..... Refer to TB 750-236.

4. General Instructions. a. *Calibration Reporting.*
During the performance of this procedure, annotate

***This bulletin supersedes TB 11-6625-362-35/1, 4 April 1967.**

¹These specifications are for information only and are not necessarily verified in this procedure.

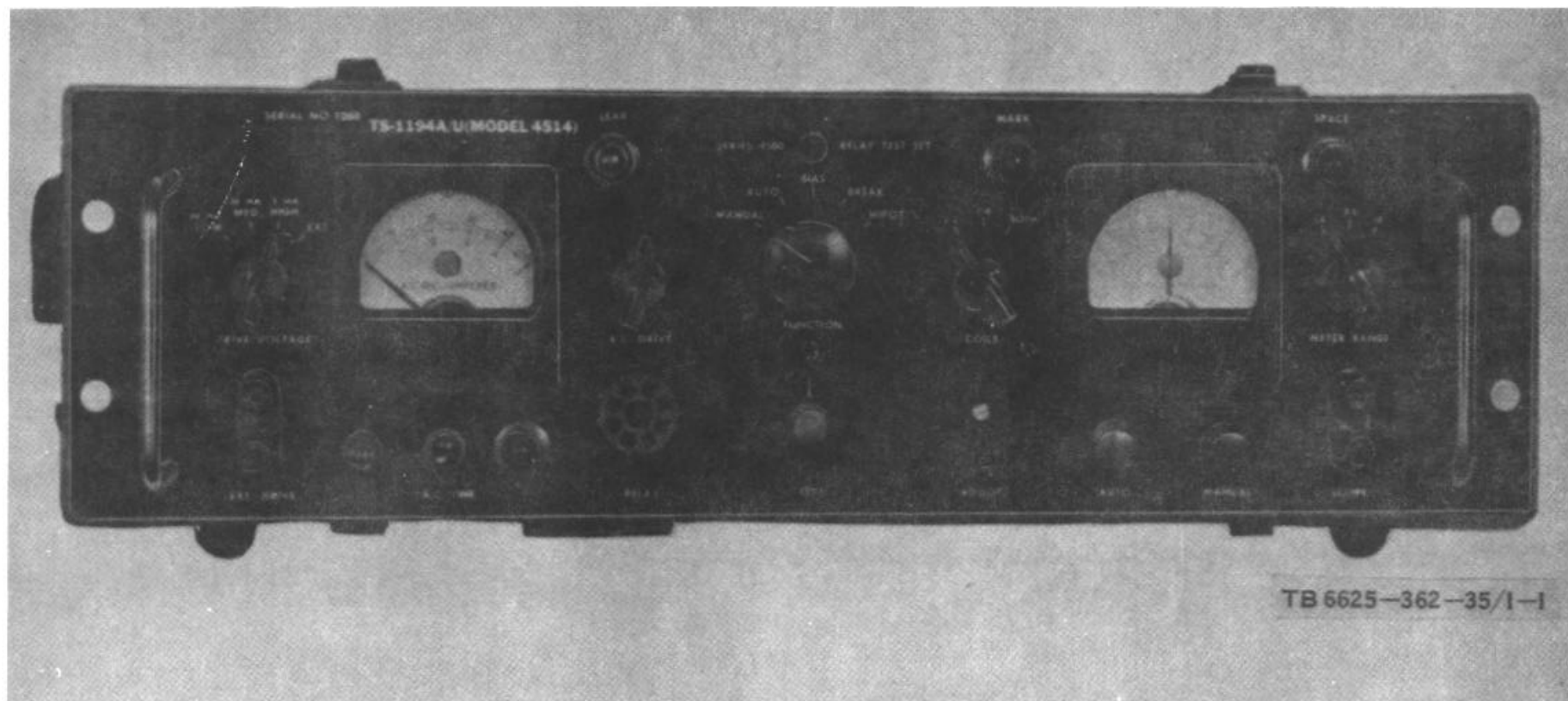


Figure 1. Test Set, Relay TS-1194A/U; front panel view.