

TM 11-6625-207-10

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

TELETYPEWRITER

TEST SET

TS-1060/GG

OPERATOR'S MANUAL

This copy is a reprint which includes current
pages from Changes 2 through 4.

HEADQUARTERS, DEPARTMENT OF THE ARMY

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TECHNICAL MANUAL

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HEADQUARTERS,
DEPARTMENT OF THE ARMY
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CHAPTER 1

INTRODUCTION

Section I. GENERAL

1. Scope

a. This manual describes Teletypewriter Test Set TS-1060/GG and covers operation under usual and unusual conditions and operator's maintenance. It includes cleaning and inspection of the equipment and replacement of parts available to first echelon maintenance. Throughout this manual, the main component of the TS-1060/GG is referred to as the test set (fig. 1).

b. Maintenance allocation charts are included in TM 11-6625-207 20.

2. Forms and Records

a. *Unsatisfactory Equipment Report.* Fill out and forward DA Form 468 (Unsatisfactory Equipment Report) to the Commanding Officer, U.S. Army Signal Equipment Support Agency, Fort Monmouth, N.J., as prescribed in AR 700-38.

b. *Report of Damaged or Improper Shipment.* Fill out and forward DD Form 6 (Report of Damaged or Improper Shipment) as prescribed in AR 700-58 (Army).

c. *Preventive Maintenance Forms.* Prepare DA Form 11-266 (figs. 6 and 7) (Maintenance Check List of Signal Equipment (Test Equipment)) in accordance with instructions on the form.

d. *Parts List Form.* Forward DA Form 2028 [Recommended Changes to DA Technical Manual Parts Lists or Supply Manuals 7, 8, or 9] direct to the Commanding Officer, U.S. Army Signal Equipment Support Agency, Fort Monmouth, N. J., for comments on parts listings in appendix II.

e. *Comments on Manual.* Forward all other comments on this publication direct to the Commanding Officer, U.S. Army Signal Publications Agency, Fort Monmouth, N.J.

Section II. DESCRIPTION AND DATA

3. Purpose and Use

a. Teletypewriter Test Set TS-1060/GG (fig. 1) is a self-contained portable unit that measures the bias and distortion of start-stop and synchronous telegraph signals. Various types of distortion peculiar to teletypewriter equipment can be measured without interrupting service.

b. The test set can measure distortion of the following telegraph signals operating on 20- or 60-milliampere (ma) neutral circuits or on 30-ma polar circuits:

(1) Baudot start-stop telegraph signals (7.42 unit code).

(2) Start-stop IBM telegraph signals (10.42 unit code).

(3) Synchronous 5UCO telegraph signals (5.0 unit code).

c. Distortion indications are presented in the form of pips displayed within a rectangular pattern on the screen of a cathode-ray tube.

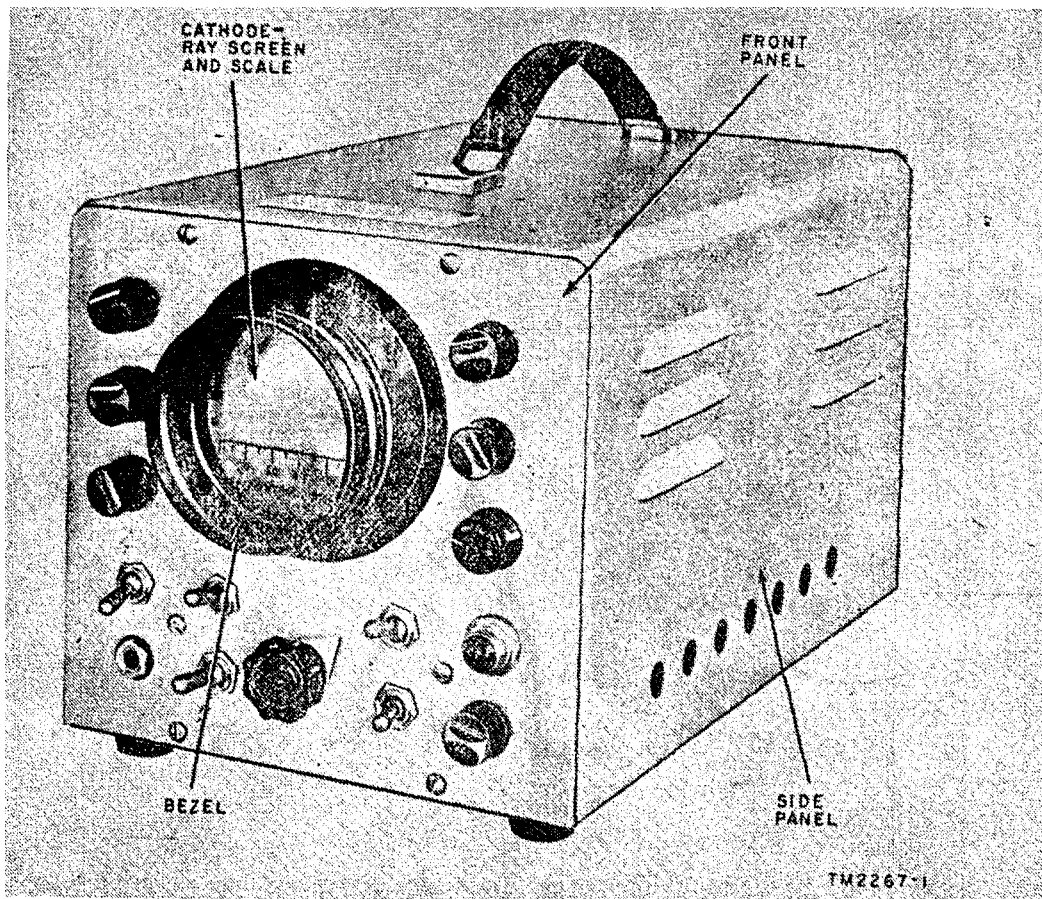


Figure 1. Teletypewriter Test Set TS-1060/GG, less spare parts.

4. Technical Characteristics

Input speeds:

7.42 unit code 60, 75, 100 wpm.

10.42 unit code Baud speeds equivalent to 60, 76, and 100 wpm.

5.0 unit code 66 wpm (approx.).

Input signal current 60 ma or 20 ma, neutral. 30 ma, polar.

Input impedance 100 ohms for 60-ma neutral
300 ohms for 20-ma neutral.

Input impedance 300 ohms for 30-ma polar.

Range of measurement 0% to 50* marking or spacing bias and distortion.

Accuracy +2% bias.

Indication Rectangular pattern on 3 inch cathode-ray screen with
calibrated scale against screen.

Voltage input 115 or 230 volts ac, 50 to 60 cycles.

Power consumption 45 watts.

Number of tubes 12.