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DEPARTMENT OF THE ARMY TECHNICAL MANUAL

OPERATOR, ORGANIZATIONAL, FIELD
AND DEPOT MAINTENANCE MANUAL

MULTIPLIER, ELECTRICAL
INSTRUMENT TS-265A/UP



HEADQUARTERS, DEPARTMENT OF THE ARMY

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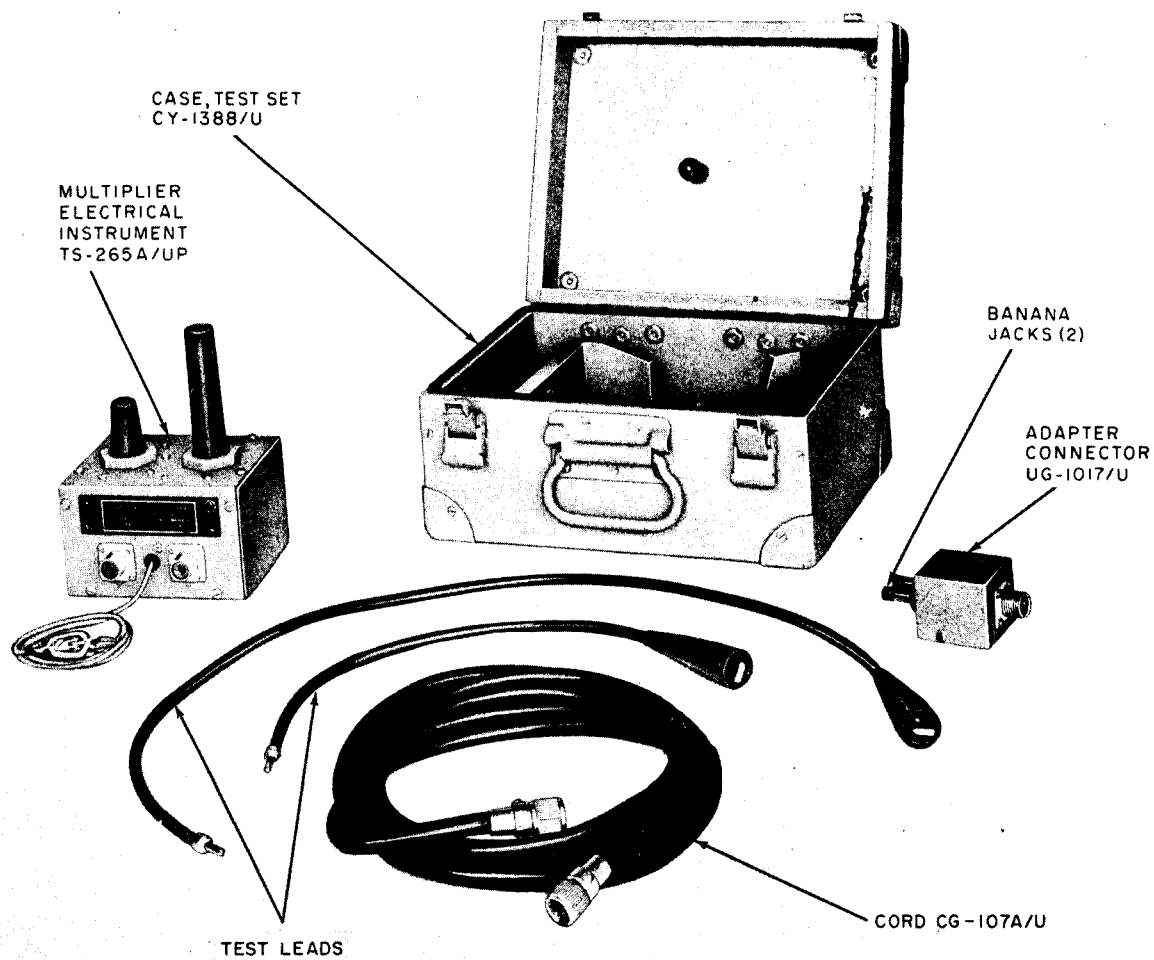
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Figure 1. *Multiplier, Electrical* Instrument TS-265A/UP with accessories, less technical manual.

CHAPTER 1

INTRODUCTION

Section 1. GENERAL

1. Scope

This manual describes Multiplier, Electrical Instrument TS-265A/UP and covers its installation, operation, and maintenance. It includes theory, troubleshooting, repairs, final testing, and directions for shipment, limited storage, and demolition to prevent enemy use.

2. Forms and Records

a. Unsatisfactory Equipment Reports. Fill out and forward DA Form 468 (Unsatisfactory Equipment Report) to the Commanding Officer, U. S. Army Signal Materiel Support Agency, ATTN: SIGMS-ML, 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 Dam-

aged or Improper Shipment) as prescribed in AR 700-58.

c. Preventive Maintenance Forms. Prepare DA Form 11-266 (figs. 5 and 6) (Maintenance Check List for 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 Materiel Support Agency, ATTN: SIGMS-ML, Fort Monmouth, N. J., with comments on parts listings.

e. Comments on Manual. Forward all other comments on this manual direct to the Commanding Officer, U. S. Army Signal Materiel Support Agency, ATTN: SIGMS-PA2d, Fort Monmouth, N. J.

Section II. DESCRIPTION AND DATA

3. Purpose and Use

Multiplier, Electrical Instrument TS-265A/UP is a portable, general purpose test equipment designed to step down high high alternating current (at) voltages by a known stepdown ratio of either 10 to 1 or 100 to 1 to allow the pulses to be observed on a standard oscilloscope or synchroscope. All measurements are made on associated test equipment.

4. Technical Characteristics

Alternating current voltage-dividing ratios:

10:1 ratio section..... $\pm 5\%$.

100:1 ratio section..... $\pm 5\%$.

Ac voltage maximum inputs:

10:1 ratio section5kv, peak to peak.

100:1 ratio section.....50kv, peak to peak.

5. Table of Components

(fig. 1)

Quantity	Item	Height (in.)	Depth (in.)	Width (in.)	Unit weight (lb)
1	Multiplier, Electrical Instrument TS-265A/UP.	6 $\frac{3}{4}$	4 $\frac{3}{4}$	5 $\frac{3}{8}$	2.1
1	Case, Test Set CY-1388/U.	6 $\frac{1}{4}$	8 $\frac{1}{2}$	11 $\frac{1}{4}$	6.5
1	Adapter, Connector UG-1017/U.	1 $\frac{5}{8}$	1 $\frac{7}{8}$	3 $\frac{1}{2}$	0.5
1	Cord CG-107A/U, (10 ft).				0.5
1	Test Lead SC-DL-24915 (18 in.).				0.5
1	Test Lead SC-DL-24915 (36 in.).				0.5
2	TM11-6625-415-15.				