

TECHNICAL MANUAL

OPERATOR'S, ORGANIZATIONAL, MAINTENANCE MANUAL

RECORDERS, WIND DIRECTION

AND SPEED RO-2/GMQ, RO-2A/GMQ,

RO-2B/GMQ, AND RO-2C/GMQ

This copy is a reprint which includes current
pages from Change 1.

HEADQUARTERS, DEPARTMENT OF THE ARMY

8 MARCH 1974

TECHNICAL MANUAL }
No. 11-6660-231-12

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 8 March 1974

OPERATOR'S AND ORGANIZATIONAL MAINTENANCE MANUAL

RECORDERS, WIND DIRECTION AND SPEED RO-2/GMQ (NSN 6660-00-663-8075), RO-2A/GMQ (NSN 6660-00-932-8311), RO-2B/GMQ, AND RO-2C/GMQ

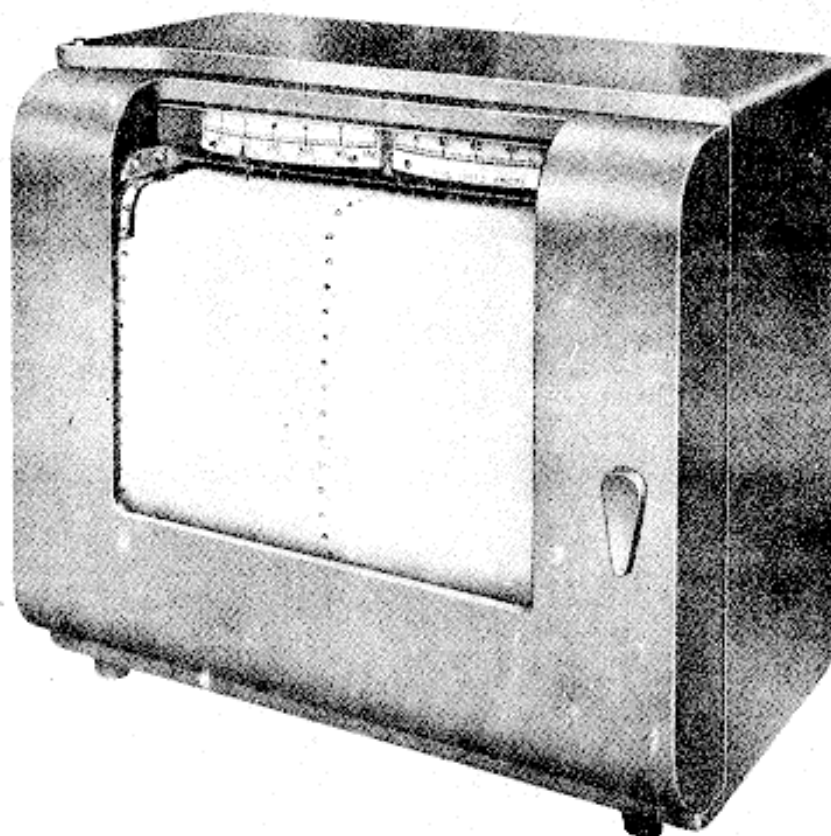
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*This manual supersedes so much of TM 11-2444, 12 July 1955, including all changes as pertains to operator's and organizational maintenance.

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Figure 1-1. Recorder, Wind Direction and Speed RO-2()/GMQ.*

CHAPTER 1 INTRODUCTION

Section I. GENERAL

1-1. Scope

a. This manual describes Recorders, Wind Direction and Speed RO-2/GMQ, RO-2A/GMQ, RO-2B/GMQ, and RO-2C/GMQ (fig. 1-1) (hereafter called recorder) and provides instructions for installation, operation, and operator's and organizational maintenance. It includes instructions for operation under usual and unusual conditions, cleaning and inspection of the equipment, and replacement of parts available to the operator and organizational maintenance technician.

b. The maintenance allocation chart (MAC) is contained in appendix B.

1-2. Indexes of Publications

a. *DA Pam 310-4.* Refer to the latest issue of DA Pam 310-4 to determine whether there are new editions, changes, or additional publications pertaining to the equipment.

b. *DA Pam 310-7.* Refer to DA Pam 310-7 to determine whether there are modification work orders (MWO's) pertaining to the equipment.

1-3. Forms and Records

a. *Reports of Maintenance and Unsatisfactory Equipment.* Maintenance forms, records, and reports which are to be used by maintenance personnel at all maintenance levels are listed in and prescribed in TM 38-750.

b. *Report of Packaging and Handling Deficiencies.* Fill out and forward DD Form 6 (Packaging Improvement Report) as prescribed in AR 700-58/NAVSUPINST 4030.29/AFR 71-13/MCO P4030.29A, and DLAR 4145.8.

c. *Discrepancy in Shipment Report (DISREP) (SF 361).* Fill out and forward Discrepancy in Shipment Report (DISREP) (SF 361) as prescribed in AR 55-38/NAVSUPINST 4610.33C/AFR 75-181 MCO P4610.19C and DLAR 4500.15.

1-4. Administrative Storage

a. *General.* Equipment that is placed in administrative storage should be capable of being ready

for use within a 24-hour period. Select the best available site for storage. Separate stored equipment from equipment in use. Conspicuously mark the area "Administrative Storage."

b. *Maintenance Services.* Before the equipment is placed in administrative storage, perform the operational checks (para 3-6). Faulty equipment should not be placed in storage. If equipment fails to operate, troubleshoot using procedures in section III. Further, empty and clean the ink tanks and clean the equipment so that it is free of dirt, grease, and other contaminants using the procedures in chapter 4 of this manual.

c. *Removal From Storage.* When the wind direction and speed recorder is removed from storage, it must be tested to insure that it is operating satisfactorily. Test it by using the procedures in chapter 3 of this manual.

1-5. Destruction of Army Electronics Materiel

Destruction of Army electronics material to prevent enemy use shall be in accordance with-TM 750-244-2.

1-6. Reporting of Errors

You can help improve this manual by calling attention to errors and by recommending improvements and stating your reasons for the recommendations. Your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) should be mailed direct to Commander, US Army Communications and Electronics Materiel Readiness Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, NJ 07703. A reply will be furnished direct to you.

1-6.1. Reporting of Equipment Improvement Recommendations (EIR)

EIR's will be prepared using SF 368 (Quality Deficiency Report). Instructions for preparing EIR's are provided in TM 38-750 (The Army Maintenance Management System). EIR's should be mailed direct to Commander, US Army Communications and Electronics Materiel Readiness Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, NJ 07703. A reply will be furnished direct to you.

Section II. DESCRIPTION AND DATA

1-7. Purpose and Use

a. The recorders are two-element recorders that

simultaneously produce, in separate channels, inked traces of wind direction and speed values on