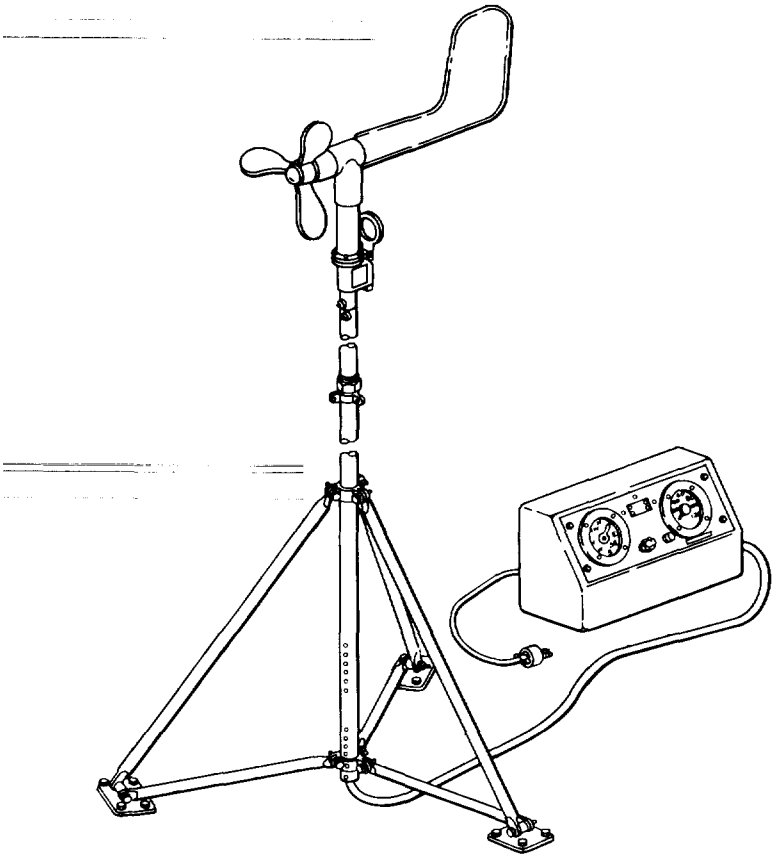
TECHNICAL MANUAL

OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE MANUAL



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WIND MEASURING SET
AN/GMQ-11
(NSN 6660-00-663-8084)

HEADQUARTERS, DEPARTMENT OF THE ARMY
30 JULY 1984

Technical Manual

No. 11-6660-200-14

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, 30 July 1984

Operator's, Organizational, Direct Support, and General Support Maintenance Manual

WIND MEASURING SET ANIGMQ-11 (NSN 6660-00-663-8084)

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to: Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: DRSEL-ME-MP, Fort Monmouth, New Jersey, 07703-5007. A reply will be furnished to you.

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*This manual supersedes TM 11-6660-200-10, 6 August 1963, TM 11-6660-200-20, 6 August 1963, and TM 11-6660-200-35, 7 November 1958, including all changes.

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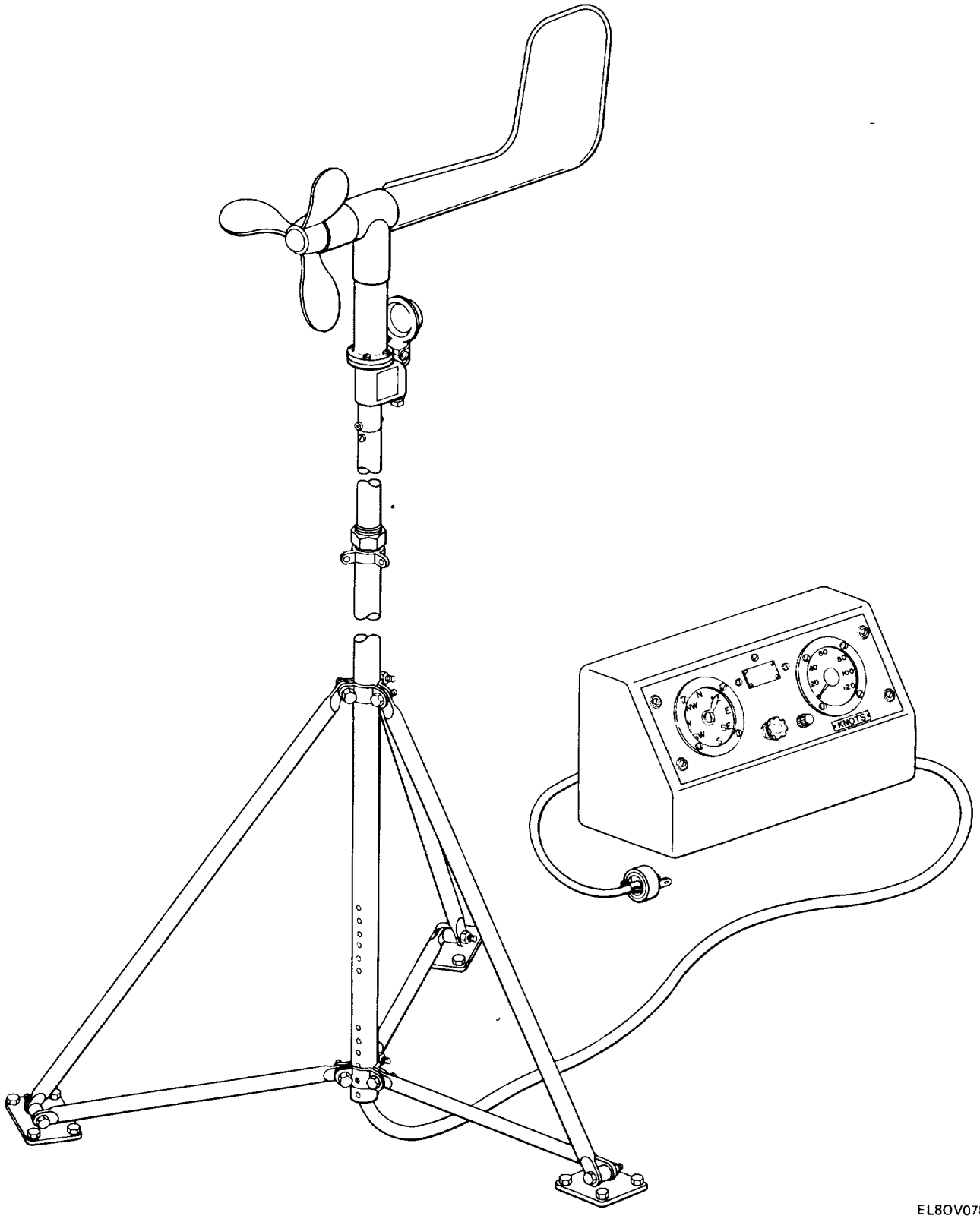
FOLDOUTS

HOW TO USE THIS MANUAL

This manual is designed to help you operate and maintain the Wind Measuring Set AN/GMQ-11. The front cover table of contents is provided for quick reference to important information. There is also an index located in the final pages for use in locating specific items of information.

Warning pages are located in the front of this manual. You should learn the warnings before operating or doing maintenance on the equipment.

Paragraphs in this manual are numbered by chapter and order of appearance within a chapter. A subject index appears at the beginning of each chapter listing sections that are included in that chapter. A more specific subject index is located at the beginning of each section to help you find the exact paragraph you are looking for.



Wind Measuring Set AN/GMQ-11

CHAPTER 1

INTRODUCTION

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Section I GENERAL INFORMATION

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1-1. SCOPE.

Type of Manual: Operator's, organizational, direct support, and general support maintenance manual.

Equipment Name and Model Number: Wind Measuring Set AN/GMQ-11. Equipment configurations may vary according to manufacturer.

Purpose of Equipment: To measure windspeed and indicate wind direction.

1-2. CONSOLIDATED INDEX OF ARMY PUBLICATIONS AND BLANK FORMS.

Refer to the latest issue of DA Pam 310-1 to determine whether there are new editions, changes, or additional publications pertaining to the equipment.

1-3. MAINTENANCE FORMS, RECORDS, AND REPORTS.

REPORTS OF MAINTENANCE AND UNSATISFACTORY EQUIPMENT

Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA Pam 738-750 as contained in Maintenance Management Update.

REPORT OF PACKAGING AND HANDLING DEFICIENCIES

Fill out and forward SF 364 (Report of Discrepancy (ROD)) as prescribed in AR 735-11-2/DLAR 4140.55/NAVMATINST 4355.73A/AFR 400-54/MCO 4430.3F.

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 75-18/MCO P4610.19D/DLAR 4500.15.

1-4. REPORTING EOUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR).

If your Wind Measuring Set AN/GMQ-11 needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design. Put it on an SF 368 (Quality Deficiency Report). Mail it to: Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: DRSEL-ME-MP, Fort Monmouth, New Jersey, 07703-5007. A reply will be sent to you.

1-5. DESTRUCTION OF ARMY MATERIEL TO PREVENT ENEMY USE.

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

1-6. NOMENCLATURE CROSS-REFERENCE LIST.

This list contains common names used in place of official nomenclature in this manual.

Common Name	Official Nomenclature
indicator	Indicator, Wind Direction and Speed ID-373(*)/GMQ-1 1
transmitter	Transmitter, Wind Direction and Speed T-420(*)/GMQ-11
AN/GMQ-11	Wind Measuring Set AN/GMQ-11
support	Support, Wind Direction and Speed MT-1246/GMQ-11

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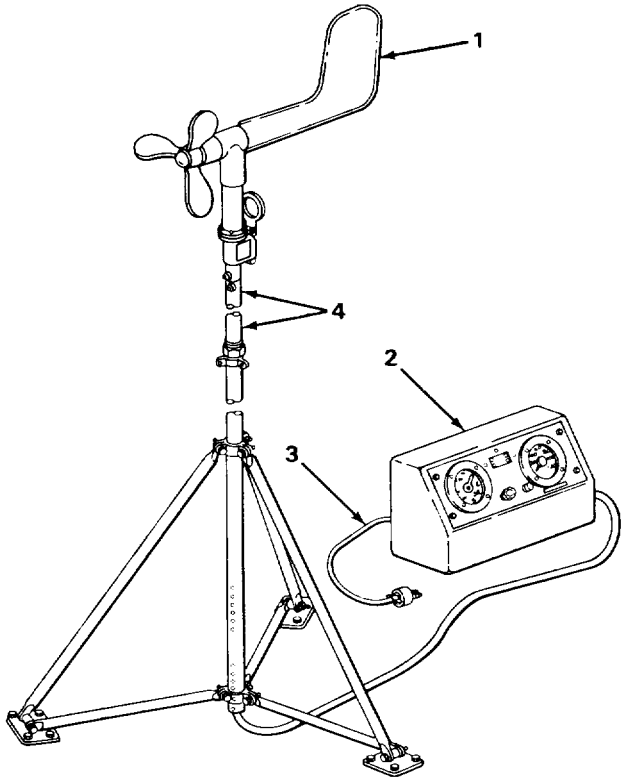
1-7. EQUIPMENT CHARACTERISTICS.

The AN/GMQ-11 is a three-part portable set used to measure windspeed and direction. The transmitter, indicator, and support assembly make up the wind measuring set. It can measure windspeed in knots or mph from 0 to 120. Wind direction indicates a 360-degree range. Windspeed or direction may be read off of the indicator dials or recorded using an auxiliary recorder set. The recorder has a 0- to 240-knot or mph range. The support assembly and transmitter are designed to function outdoors under almost all weather conditions. The indicator is used in a sheltered area.

1-8. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS.



ITEM	DESCRIPTION
1 Transmitter	Detects windspeed and direction and sends information to indicator.
2 Indicator	Displays windspeed and direction information sent by transmitter.
3 Power cable	Provides a means of supplying power to wind measuring set.
4 Support	Holds and raises transmitter above ground.