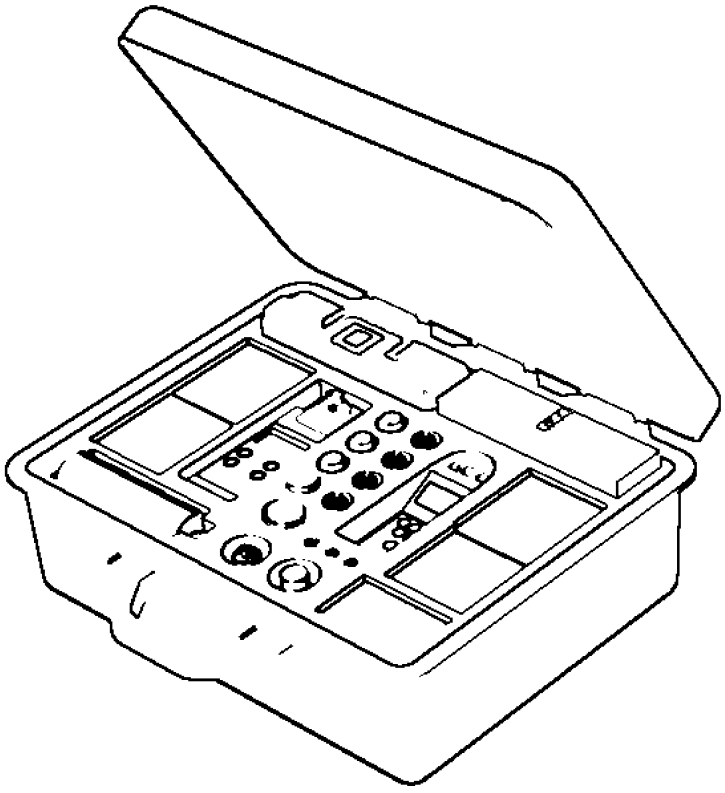
TM 10-6630-222-12&P

TECHNICAL MANUAL

OPERATOR AND UNIT MAINTENANCE MANUAL (INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST) FOR WATER QUALITY ANALYSIS SET: PURIFICATION (WQAS-P)

Part Number: IITC-WQAS/P-00001
NSN: 6630-01-477-2395



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HEADQUARTERS, DEPARTMENT OF THE ARMY

JUNE 2001

TM 10-6630-222-12&P

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON D.C., 30 June 2001

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CURRENT AS OF 31 MAY 2001

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this publication. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Submit your DA Form 2028-2 (Recommended Changes to Equipment Technical Publications), through the Internet, on the Army Electronic Product Support (AEPS) website. The Internet address is http://aeps.ria.army.mil. If you need a password, scroll down and click on "ACCESS REQUEST FORM". The DA Form 2028 is located in the ONLINE FORMS PROCESSING section of the AEPS. Fill out the form and click on SUBMIT. Using this form on the AEPS will enable us to respond quicker to your comments and better manage the DA Form 2028 program. You may also mail, fax or email your letter, DA Form 2028, or DA Form 2028-2 direct to: Commander, U.S. Army Tank-automotive and Armaments Command, ATTN: AMSTA-AC-NML, Rock Island, IL 61299-7630. The email address is amsta-ac-nml@ria.army.mil. The fax number is DSN 793-0726 or Commercial (309) 782-0726.

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GLOSSARY

HOW TO USE THIS MANUAL

CONTENT

This manual is provided for your use in operating and maintaining the Water Quality Analysis Set: Purification . You must familiarize yourself with the entire maintenance procedures before beginning the maintenance task. Maintaining the Water Quality Analysis Set: Purification includes preventive maintenance checks and services.

MANUAL OVERVIEW

To help you become familiar with this new kind of manual as quickly as possible, spend some time looking through the pages. The manual has a new look that is different from the look of the manuals you've been using. You'll find that it's a lot easier to use and you'll be able to find what you're looking for faster. The following is a list and description of each chapter and appendix.

a. Chapter 1 DESCRIPTION AND THEORY OF OPERATION.

Contains general information, purpose of equipment, equipment description, and technical principles of operation regarding the complete Water Quality Analysis Set: Purification.

b. Chapter 2 OPERATOR INSTRUCTIONS.

Contains operating instructions, both under usual and unusual conditions, operation of auxiliary equipment, and preventive maintenance checks and services (PMCS).

c. Chapter 3 OPERATOR TROUBLESHOOTING PROCEDURES.

Contains operator troubleshooting procedures.

d. Chapter 4 UNIT TROUBLESHOOTING PROCEDURES.

Contains unit troubleshooting procedures.

e. Chapter 5 OPERATOR MAINTENANCE INSTRUCTIONS.

Contains operator instructions and maintenance procedures.

f. Chapter 6 UNIT MAINTENANCE INSTRUCTIONS.

Contains unit instructions and maintenance procedures.

g. Chapter 7 SUPPORTING INFORMATION.

1. *References*

Contains a listing of all forms and technical manuals referred to in this manual.

2. *Maintenance Allocation Chart (MAC).*

Contains a listing of all maintenance significant items and their applicable maintenance functions assigned to each maintenance category.

3. *Repair Parts and Special Tools List.*
4. *Components of End Item and Basic Issue Items List.*

Contains listings for components of the end item, and basic issue items.

5. *Expendable/Durable Supplies and Materials List.*

Contains an alphabetized tabular listing of all consumable items used in the maintenance or repair of the Water Quality Analysis Set: Purification.

h. Rear Matter

1. *GLOSSARY*

Contains an alphabetical list of terms, acronyms and abbreviations used in this manual.

2. *INDEX.*

Contains an alphabetical index by subject matter contained in this manual.

3. *DA Form 2028*

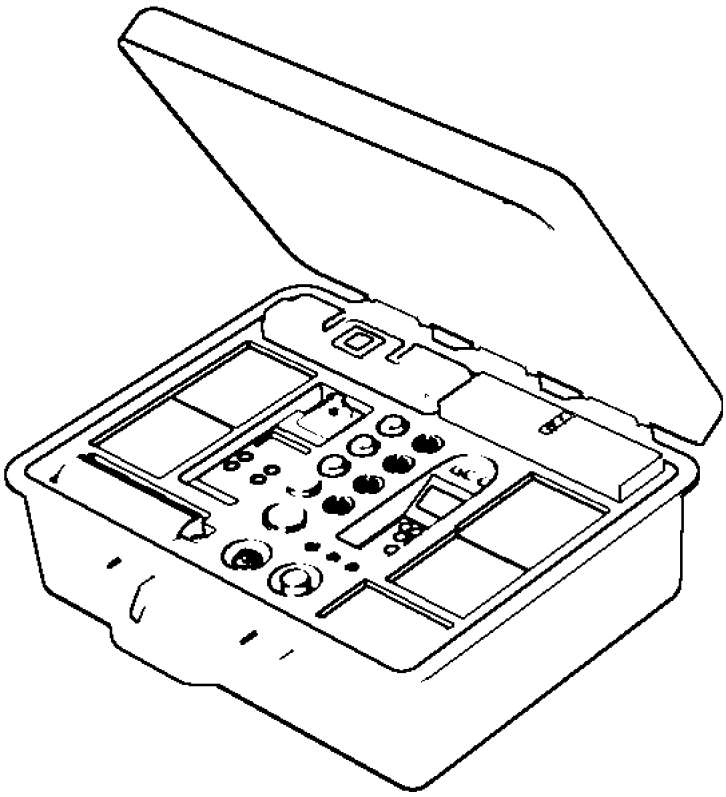
DA Form 2028, with instructions for submittal and sample for usage.

OPERATOR AND UNIT MAINTENANCE MANUAL (INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST) FOR WATER QUALITY ANALYSIS SET: PURIFICATION (WQAS-P)

GENERAL INFORMATION

SCOPE.

This manual covers the use and maintenance of the Water Quality Analysis Set: Purification (WQAS-P) see figure below, in testing water for contamination and quality. This manual provides descriptions of the various meters and accessory equipment, and supplies operation and maintenance instructions. Also included are instructions for preparing the unit for storage and shipment.



WQAS-P

MAINTENANCE FORMS AND PROCEDURES.

Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA Pam 738-750, The Army Maintenance Management System, or AR 700-138, Army Logistics Readiness and Sustainability.

REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATION (EIR).

If your Water Quality Analysis Set: Purification 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 or performance. Put it on an SF 368 (Product Quality Deficiency Report). Mail it to us at Commander, U.S. Army TACOM, ATTN: AMSTA-LC-CJA, Warren, MI 48397-5000. We will send you a reply.