
TECHNICAL MANUAL

METEOROLOGICAL
EQUIPMENT
DATA SHEETS

HEADQUARTERS, DEPARTMENT OF THE ARMY

30 APRIL 1973

TECHNICAL MANUAL

No. 750-5-3

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 30 April 1973**METEOROLOGICAL EQUIPMENT DATA SHEETS**

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SECTION I

INTRODUCTION

1. Scope

a. This publication contains information and data on US Army Electronics Command meteorological equipment. Additional publications of this series will be listed in DA Pam 310-4 (Index of Technical Manuals, Technical Bulletins, Supply Manuals (types 7, 8, and 9), Supply Bulletins, and Lubrication Orders).

b. The reporting of errors, omissions, and recommendations for improving this publication by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to Publications) and forwarded direct to Commander, US Army Electronics Command, ATTN: AMSEL-MA-S, Fort Monmouth, N.J. 07703.

2. Purpose

This manual is intended primarily for use by personnel in US Army activities who are responsible for selecting (or recommending selection of) electronic equipments for application and use in all types of military missions, in the field and in design, development, procurement, maintenance engineering, and other related activities. It is not intended to give complete design, operating, maintenance, and procurement information or technical data. It includes only such of this information as will enable personnel concerned to determine which of the equipments listed (if any) will be most likely to meet the requirements of the mission. Details beyond the source of this manual may be found in the applicable technical manuals.

3. Organization of Content

a. All data on any one equipment appears on one or more pages comprising a data sheet for that equipment. The type number appears in the upper outside corner of each page for that equipment. The data sheets themselves are arranged throughout this manual in alphabetical order by Joint Electronic Type designations (MIL-STD-196). Type designations are

derived from a coded system of designations. Charts I and II explain these designated codes. Official nomenclature followed by () is used to indicate all models of the equipment covered in this manual.

b. The contents pages list the type numbers of the data sheets in this manual. With each change published that adds or deletes one or more data sheets to the manual, new contents pages are also published to reflect the added or deleted items. Users of this manual should make sure that all new contents pages are inserted as well as data sheets and that superseded pages are removed. Users should also check the latest edition of DA Pam 310-4 (with its latest changes) to be sure they have the latest changes to this meteorological manual.

c. For the reader's convenience an index has been provided, listing numbers alphanumerically under functional groups. New updated data index pages are also provided with each change and should be inserted.

4. US Army Type Classifications

a. The type classification of an equipment is highly significant in the selection of an equipment for any mission and should be given appropriate consideration,

b. The status-type classifications of items of equipment covered in this manual are defined below. However, items which have not been assigned formal or official type classifications, but which, nevertheless, have been issued and are available for, or are in, current use are included.

(1) *Standard A (STD A).* A combat acceptable item which will fill an operational requirement and which is being produced in quantity or could be produced to fill shortages.

(2) *Standard B (STD B).* A satisfactory item to fill an operational requirement but which is being, or has been replaced by a newer generation or series of items.

(3) *Contingency and Training (C & T).* Items which are not acceptable for US

Army operational requirements and will not therefore be counted as assets.

Items in this category will be limited to—

(a) Those items which are not acceptable to meet an operational requirement but which may be used in training.

(b) Those which are not acceptable to meet an operational requirement of the U.S. Army but which are being retained to meet interim contingency requirements pending availability of a Standard A or Standard B item

(4) *Limited Production Type (LP)*. These are items under development, commercially available, or available from other Government agencies, for which an urgent operational requirement exists and for which no other existing items are adequate, which appear to fulfill an approved qualitative material requirement

or other DA approved requirements, and to be promising enough operationally to warrant initiating procurement and/or production for troop issue prior to completion of development and/or test or adoption as standard items.

(5) *Development Type (DP)*. These are items of material being developed or tested to meet approved qualitative material requirements or small development requirements.

5. Currency of Information

Information and data in this manual are current as of the date of basic manual and/or changes.

6. Omitted data

Where headings are included without data, data anticipated was not available and will appear in a subsequent revision.

Chart I. Table of Set or Equipment Indicator Letters

1 1st letter (designed installation class)	2 2d letter (type of equipment)	3 3d letter (purpose)
<i>Installation</i>	<i>Type of Equipment</i>	<i>Purpose</i>
A—Airborne (installed and operated in aircraft). B—Underwater mobile, submarine. C—Air transportable (inactivated, do not use). D—Pilotless carrier. F—Fixed. G—Ground, general ground use (include two or more ground-type installations). K—Amphibious. M—Ground, mobile (installed as operating unit in a vehicle which has no function other than transporting the equipment). P—Pack or portable (animal or man). S—Water surface craft. T—Ground, transportable.	A—Invisible light, heat radiation. B—Pigeon. C—Carrier. D—Radiac. E—Nupac. F—Photographic. ¹ G—Telegraph or teletype. I—Interphone and public address. J—Electromechanical or Inertial wire covered. K—Telemetry. L—Countermeasures. M—Meteorological. N—Sound in air. P—Radar. Q—Sonar and underwater sound. R—Radio. S—Special types, magnetic, etc., or combinations of types.	A—Auxiliary assemblies (not complete operating sets used with or part of two or more sets or sets series). B—Bombing. C—Communications (receiving and transmitting). D—Direction finder, reconnaissance, and/or surveillance. E—Ejection and/or release. G—Fire control or searchlight directing. H—Recording and/or reproducing (graphic meteorological and sound). K—Computing. L—Searchlight control (inactivated, use G). M—Maintenance and test assemblies (including tools). N—Navigational aids (including altimeters, beacons, compasses, racons, depth sounding, approach, and landing).

¹ Not for U.S. use except for assigning suffix letters to previously nomenclature items.

Chart I. Table of Set or Equipment Indicator Letters—Continued

1 1st letter (designed installation classes)	2 2d letter (type of equipment)	3 3d letter (purpose)
<i>Installation</i>	<i>Type of Equipment</i>	<i>Purpose</i>
U—General utility (includes two or more general installation classes, airborne, shipboard, and ground).	T—Telephone (wire).	P—Reproducing (inactivated, do not use).
V—Ground, vehicular (installed in vehicle designed for functions other than carrying electronic equipment, etc., such as tanks).	V—Visual and visible light.	Q—Special, or combination of purposes.
W—Water surface and underwater.	W—Armament (peculiar to armament, not otherwise covered).	R—Receiving, passive detecting.
	X—Facsimile or television.	S—Detecting and/or range and bearing, search.
	Y—Data processing.	T—Transmitting.
		W—Automatic flight or remote control.
		X—Identification and recognition.

Chart II. Table of component indicators

Component indicators	Family name	Examples of use (not to be construed as limiting the application of the component indicator)
AB _____	Supports, antenna _____	Antenna mounts, mast bases, mast sections, towers, etc.
AM _____	Amplifiers _____	Power, audio, interphone, radio frequency, video, electronic control, etc.
AS _____	Antennae, complex _____	Arrays, parabolic type, masthead, etc.
AT _____	Antennae, simple _____	Whip or telescopic loop, dipole, reflector, etc.
BA _____	Battery, primary type _____	B batteries, battery packs, etc.
BB _____	Battery, secondary type _____	Storage batteries, battery packs, etc.
BZ _____	Signal devices, audible _____	Buzzers, gongs, horns, etc.
C _____	Controls _____	Control box, remote tuning control, etc.
CA _____	Commutator assemblies, sonar _____	Peculiar to sonar equipment.
CB _____	Capacitor bank _____	Used as a power supply.
CG _____	Cable, assemblies, RF _____	RF cables, waveguides, transmission lines; etc., with terminals.
CK _____	Crystal kits _____	A kit of crystals with holders.
CM _____	Comparators _____	Compares two or more input signals.
CN _____	Compensators _____	Electrical and/or mechanical compensating regulating or attenuating apparatus.
CP _____	Computers _____	A mechanical and/or electronic mathematical calculating device.
CR _____	Crystals _____	Crystal in crystal holder.
CU _____	Couplers _____	Impedance coupling devices, directional couplers, etc.
CV _____	Converters (electronic) _____	Electronic apparatus for changing the phase, frequency, or from "one" medium to "another."
CW _____	Covers _____	Cover, bag, roll, cap, radome, nacelle, etc.
CX _____	Cable assemblies, non-RF _____	Non-RF cables with terminals, test leads, also composite cables of RF and non-RF conductors.
CY _____	Cases and cabinets _____	Rigid and semirigid structure for inclosing or carrying equipment.
D _____	Dispensers _____	Chaff dispensers.
DA _____	Load, dummy _____	RF and non-RF test loads.
DT _____	Detecting heads _____	Magnetic pickup device, search coil, hydrophore, etc. (see RF).
DY _____	Dynamotors _____	Dynamotor power supply.
E _____	Hoists _____	Sonar hoist assembly, etc.
F _____	Filters _____	Band-pass, noise, telephone, wave traps, etc.
FN _____	Furniture _____	Chairs, desks, tables, etc.
FR _____	Frequency measuring devices _____	Frequency meters, tuned cavity, etc.

Chart II. Table of component indicators—Continued

Component indicators	Family name	Examples of use (not to be construed as limiting the application of the component indicator)
G _ _ _ _ _	Generators, power _ _ _ _ _	Electrical power generators without prime movers (see PU & PD).
GO _ _ _ _ _	Goniometers _ _ _ _ _	Goniometers of all types.
GP _ _ _ _ _	Ground rods _ _ _ _ _	Ground rods, stakes, etc.
H _ _ _ _ _	Head, hand, and chest sets _ _ _ _ _	Includes earphone.
HC _ _ _ _ _	Crystal holder _ _ _ _ _	Crystal holder less crystal.
HD _ _ _ _ _	Air-conditioning apparatus _ _ _ _ _	Heating, cooling, dehumidifying, pressure, vacuum devices, etc.
ID _ _ _ _ _	Indicators, noncathode ray tube _ _ _ _ _	Calibrated dials and meters, indicating lights, etc. (see IP).
IL _ _ _ _ _	Insulators _ _ _ _ _	Strain, standoff, feed-through, etc.
IM _ _ _ _ _	Intensity measuring devices _ _ _ _ _	Includes SWR gear, field intensity and noise meters, slotted lines, etc.
IP _ _ _ _ _	Indicators, cathode ray tube _ _ _ _ _	Azimuth, elevation, panoramic, etc.
J _ _ _ _ _	Junction devices _ _ _ _ _	Junction, jack and terminal boxes, etc.
KY _ _ _ _ _	Keying devices _ _ _ _ _	Mechanical electrical and electronic keyers, coders, interrupters, etc.
LC _ _ _ _ _	Tools line constriction _ _ _ _ _	Includes special apparatus such as cable plows, etc.
LS _ _ _ _ _	Loudspeaker _ _ _ _ _	Separately housed loudspeakers, intercommunication station.
M _ _ _ _ _	Microphones _ _ _ _ _	Radio, telephone, throat, hand, etc.
MA _ _ _ _ _	Magazines _ _ _ _ _	Magnetic tape or wire, etc.
MD _ _ _ _ _	Modulators _ _ _ _ _	Device for varying amplitude, frequency or phase.
ME _ _ _ _ _	Meters _ _ _ _ _	Multimeters, volt-ohm-milliammeters, vacuum tube voltmeters, power meters, etc.
MF _ _ _ _ _	Magnets or magnetic field generator _ _ _ _ _	Magnetic tape or wire eraser, electromagnet, permanent magnet, etc.
MK _ _ _ _ _	Miscellaneous kits _ _ _ _ _	Maintenance, modification, etc. except tool and crystal (see CK. TK).
ML _ _ _ _ _	Meteorological devices _ _ _ _ _	Barometer, hygrometer, thermometer, scales, etc.
MT _ _ _ _ _	Mountings _ _ _ _ _	Mountings, racks, frames, stands, etc.
MX _ _ _ _ _	Miscellaneous _ _ _ _ _	Equipment not otherwise classified, includes subassemblies. Do not use if better indicator is available.
MU _ _ _ _ _	Memory units _ _ _ _ _	Memory units.
O _ _ _ _ _	Oscillators _ _ _ _ _	Master frequency, blocking, multivibrators, etc. (for test oscillators, see SG).
OA _ _ _ _ _	Operating assemblies _ _ _ _ _	Assembly of operating units not otherwise covered, used with or part of one set or set series.
OC _ _ _ _ _	Oceanographic devices _ _ _ _ _	Bathythermographs, etc.
OS _ _ _ _ _	Oscilloscope, test _ _ _ _ _	Test oscilloscopes for general test purposes.
PD _ _ _ _ _	Prime drivers _ _ _ _ _	Gasoline engines, electric motors, diesel motors, etc.
P F _ _ _ _ _	Fittings, pole _ _ _ _ _	Cable hanger, clamp, protectors, etc.
PG _ _ _ _ _	Pigeon articles _ _ _ _ _	Container, loft, vest, etc.
*PH _ _ _ _ _	Photographic articles _ _ _ _ _	Camera, projector, sensitometer, etc.
PP _ _ _ _ _	Power supplies _ _ _ _ _	Nonrotating machine type such as vibrator pack, rectifier, thermoelectric, etc.
PT _ _ _ _ _	Plotting equipments _ _ _ _ _	Except meteorological. Boards, maps, plotting table, etc.
PU _ _ _ _ _	Power equipments _ _ _ _ _	Rotating power equipment except dynamotors, motor-generator, etc.
R _ _ _ _ _	Receivers _ _ _ _ _	Receivers, all types except telephone.
RC _ _ _ _ _	Reels _ _ _ _ _	Reel cable (see RI).
R D _ _ _ _ _	Recorder-reproducers _ _ _ _ _	Sound, graphic, tape, wire, film, disc, facsimile, magnetic, mechanical, etc.
RE _ _ _ _ _	Relay assemblies _ _ _ _ _	Electrical, electronic, etc.
RF _ _ _ _ _	Radiofrequency component _ _ _ _ _	Composite component of RF circuits. Do not use if better indicator is available.

Chart II_ Table component indicators—Continued

Component indicators	Family name	Examples of use (not to be construed as limiting the application of the component indicator)
RG_ _ _ _ _	Cables, RF, bulk _ _ _ _ _	RF cable, waveguides, transmission lines, etc., without terminals.
RL _ _ _ _ _	Reeling machines _ _ _ _ _	Mechanisms for dispensing and rewinding antenna or field wire, recording wire, or tape, etc.
RO _ _ _ _ _	Recorders _ _ _ _ _	Sound, graphic, tape, wire, film, disc, facsimile, magnetic, mechanical, etc.
RP _ _ _ _ _	Reproducers _ _ _ _ _	Sound, graphic, tape, wire, film, disc, facsimile, magnetic, mechanical, etc.
RR _ _ _ _ _	Reflectors _ _ _ _ _	Target, confusion, etc. Except antenna reflectors (see AT).
RT _ _ _ _ _	Receiver and transmitter _ _ _ _ _	Radio and radar transceivers, composite transmitter and receiver, etc.
S _ _ _ _ _	Shelters _ _ _ _ _	House, tent, protective shelter, etc.
SA _ _ _ _ _	Switching devices _ _ _ _ _	Manual, impact, motor driven, pressure operated, etc.
SB _ _ _ _ _	Switchboards _ _ _ _ _	Telephone, fire control, power, panel, etc.
SG _ _ _ _ _	Generators signal _ _ _ _ _	Test oscillators, noise generators, etc. (see O).
SM _ _ _ _ _	Simulators _ _ _ _ _	Flight, aircraft, target, signal, etc.
SN _ _ _ _ _	Synchronizers _ _ _ _ _	Equipment to coordinate two or more functions,
ST _ _ _ _ _	Straps _ _ _ _ _	Harness, straps, etc.
SU _ _ _ _ _	Optical device _ _ _ _ _	Telescopes, periscopes, projectors, and boresighting scopes.
T _ _ _ _ _	Transmitters _ _ _ _ _	Transmitters, all types, except telephone.
TA _ _ _ _ _	Telephone apparatus _ _ _ _ _	Miscellaneous telephone equipment.
TB _ _ _ _ _	Towed body _ _ _ _ _	Towed underwater body or fish, paravane, etc.
TC _ _ _ _ _	Towed cable _ _ _ _ _	Articulated towing strut, faired cable, etc.
TF _ _ _ _ _	Timing devices _ _ _ _ _	Mechanical and electronic timing devices, range device, multiplexers, electronic gates, etc.
TF _ _ _ _ _	Transformers _ _ _ _ _	Transformers when used as separate items.
TG _ _ _ _ _	Positioning devices _ _ _ _ _	Tilt and/or train assemblies.
TH _ _ _ _ _	Telegraph apparatus _ _ _ _ _	Miscellaneous telegraph apparatus.
TK _ _ _ _ _	Tool kits _ _ _ _ _	Miscellaneous tool assemblies.
TL _ _ _ _ _	Tools _ _ _ _ _	All types except line construction (see LC).
TN _ _ _ _ _	Tuning units _ _ _ _ _	Receiver, transmitter, antenna, tuning units, etc.
TR _ _ _ _ _	Transducers _ _ _ _ _	Magnetic heads, phonopickups, sonar transducers, vibration pickups, etc. (see H, LS, and M).
TS _ _ _ _ _	Test items _ _ _ _ _	Test and measuring equipment not otherwise included; bore-sighting and alignment equipment.
TT _ _ _ _ _	Teletypewriter and facsimile apparatus _ _ _ _ _	Miscellaneous tape, teletype, facsimile equipment, etc.
TV _ _ _ _ _	Tester, tube _ _ _ _ _	Electronic tube tester.
TW _ _ _ _ _	Tapes and recording wires _ _ _ _ _	Recording tape and wire, splicing, electrical insulating tape, etc.
U _ _ _ _ _	Connectors, audio and power _ _ _ _ _	Unions, plugs, sockets, adapters, etc.
UG _ _ _ _ _	Connectors, RF _ _ _ _ _	Unions, plugs, sockets, choke couplings, adapters, elbows, flanges, etc.
V _ _ _ _ _	Vehicles _ _ _ _ _	Carts, dollies, trucks, trailers, etc.
VS _ _ _ _ _	Signaling equipment, visual _ _ _ _ _	Flag sets serial panels, signal lamp equipment, etc.
WD _ _ _ _ _	Cables, two conductor _ _ _ _ _	Non-RF wire, cable and cordage in bulk (see RG).
WF _ _ _ _ _	Cables, four conductor _ _ _ _ _	Non-RF wire, cable and cordage in bulk (see RG).
WM _ _ _ _ _	Cables, multiple conductor _ _ _ _ _	Non-RF wire, cable and cordage in bulk (see RG).
WS _ _ _ _ _	Cables, single conductor _ _ _ _ _	Non-RF wire, cable and cordage in bulk (see RG).
WT _ _ _ _ _	Cables, three conductor _ _ _ _ _	Non-RF wire, cable and cordage in bulk (see RG).
ZM _ _ _ _ _	Impedance measuring devices _ _ _ _ _	Used for measuring Q, G, L, R, or PF, etc.

SECTION II

EQUIPMENTS

1. NOMENCLATURE: Atmospheric Meteorological Probe AN/AMQ-23().

2. TYPE CLASSIFICATION. Development.

3. SECURITY REQUIREMENTS: Unclassified.

4. PRIMARY USE OR CONCEPT OF EMPLOYMENT.
Furnishes temperature and humidity data of the upper air.

5. BRIEF FUNCTIONAL DESCRIPTION: Atmospheric Meteorological Probe AN/AMQ-23() (radiosonde) is a balloon-borne, battery-operated meteorological instrument. The probe automatically measures temperature and relative humidity and transmits the data to ground receiving equipment.

6. TECHNICAL CHARACTERISTICS:

Range of measurements:

Temperature _____ +60° C. to -90° C.
Relative humidity _____ 0 to 100%.

Accuracy:

Temperature _____ ±1° C.
Relative humidity _____ ±10%.

Distance range:

Altitude _____ 105,000 ft max.
Horizontal _____ 100 mi max.

Radiosonde Set AN/AMT-20:

Power requirements _____ 20 to 30 vdc (Battery MAP-2047).
Frequency range _____ 1,660 to 1,700 MHz.
Preset frequency _____ 1,680 ±2 MHz.
Type of signal _____ Pulse.
Antenna _____ Discone.
Weight (including battery) 680g approx.

7. MAJOR COMPONENTS:

Radiosonde Set AN/AMT-20.
Radar Reflector.

Temperature Element ML-419/AMT-4A.
Humidity Element ML-418/AMT-4A.

8. SET, SYSTEM, FACILITY, AND CONFIGURATION APPLICATION:

This set is used in a system with Automatic Atmospheric Sounding Set AN/TMQ-19().

9. ADDITIONAL EQUIPMENT REQUIRED AND AUXILIARY EQUIPMENT:

a. *Additional Equipment.*

Battery MAP-2047.

Meteorological balloon, inflating and launching accessories, and parachute.

Atmospheric Sounding Set AN/TMQ-19().

Meteorological Data Sounding System AN/UMQ-7().

b. *Auxiliary Equipment.* None.

10. TOOLS AND TEST EQUIPMENT:

None.

11. REFERENCE DATA AND LITERATURE:

TM 11-6660-261-10 _____ AN/AMQ-23 () (To be published)

TM 11-6660-241-12, -34 _____ AN/TMQ-19() (To be published)

12. REPAIR PARTS SUPPORT CAPABILITY:

No density.

13. TRAINING REQUIREMENTS:

Operator MOS 93-E-20.

14. TYPICAL BASIS OF ISSUE:

No density.

15. PRICE DATA:

a. Major item _____ \$24.50.

b. Repair parts _____ Expendable, nonrepairable.

16. ITEM REPLACED:

None.

17. REMARKS:

Issued as a unit replacement.

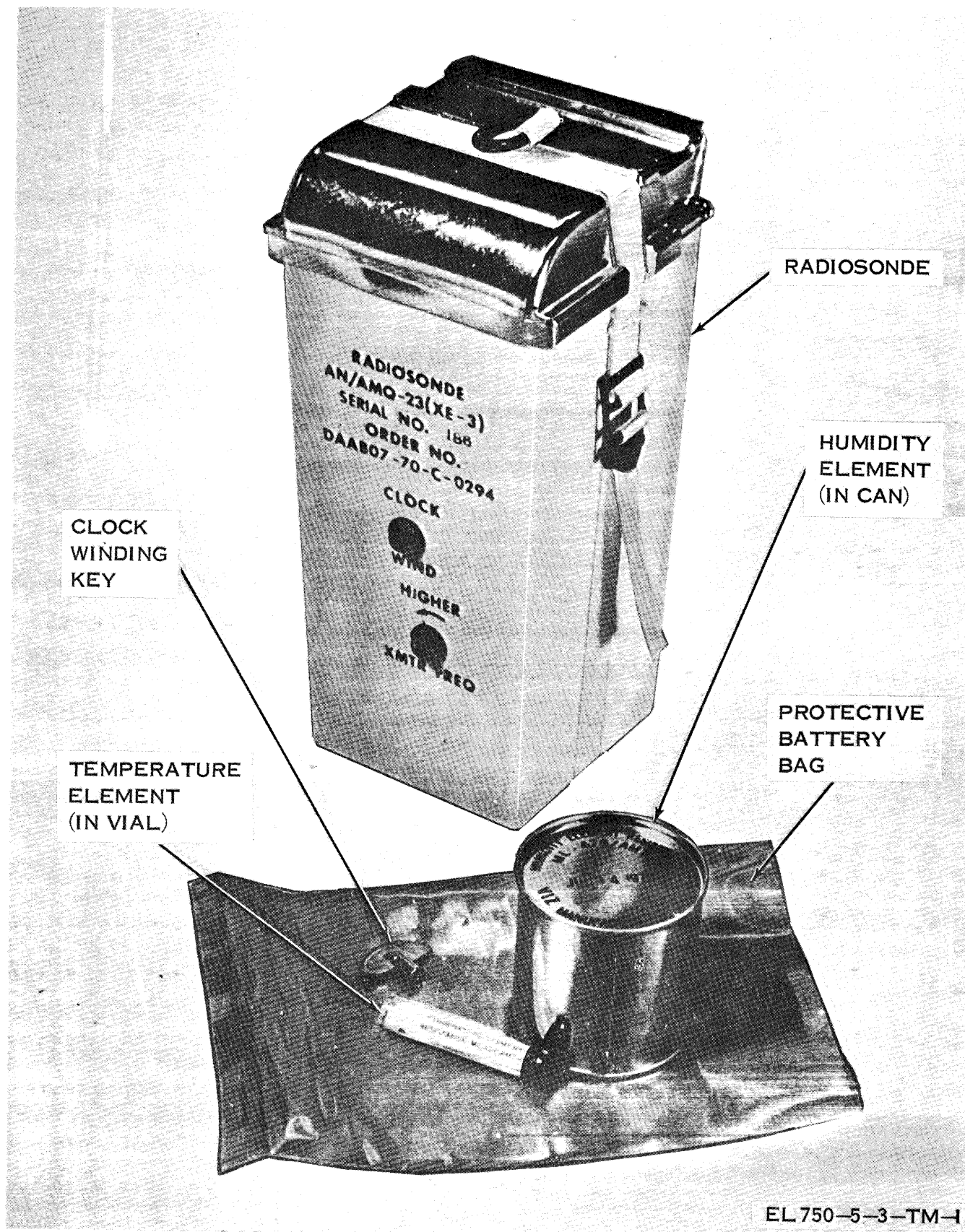


Figure 1. Atmospheric Meteorological Probe AN/AMQ-23().

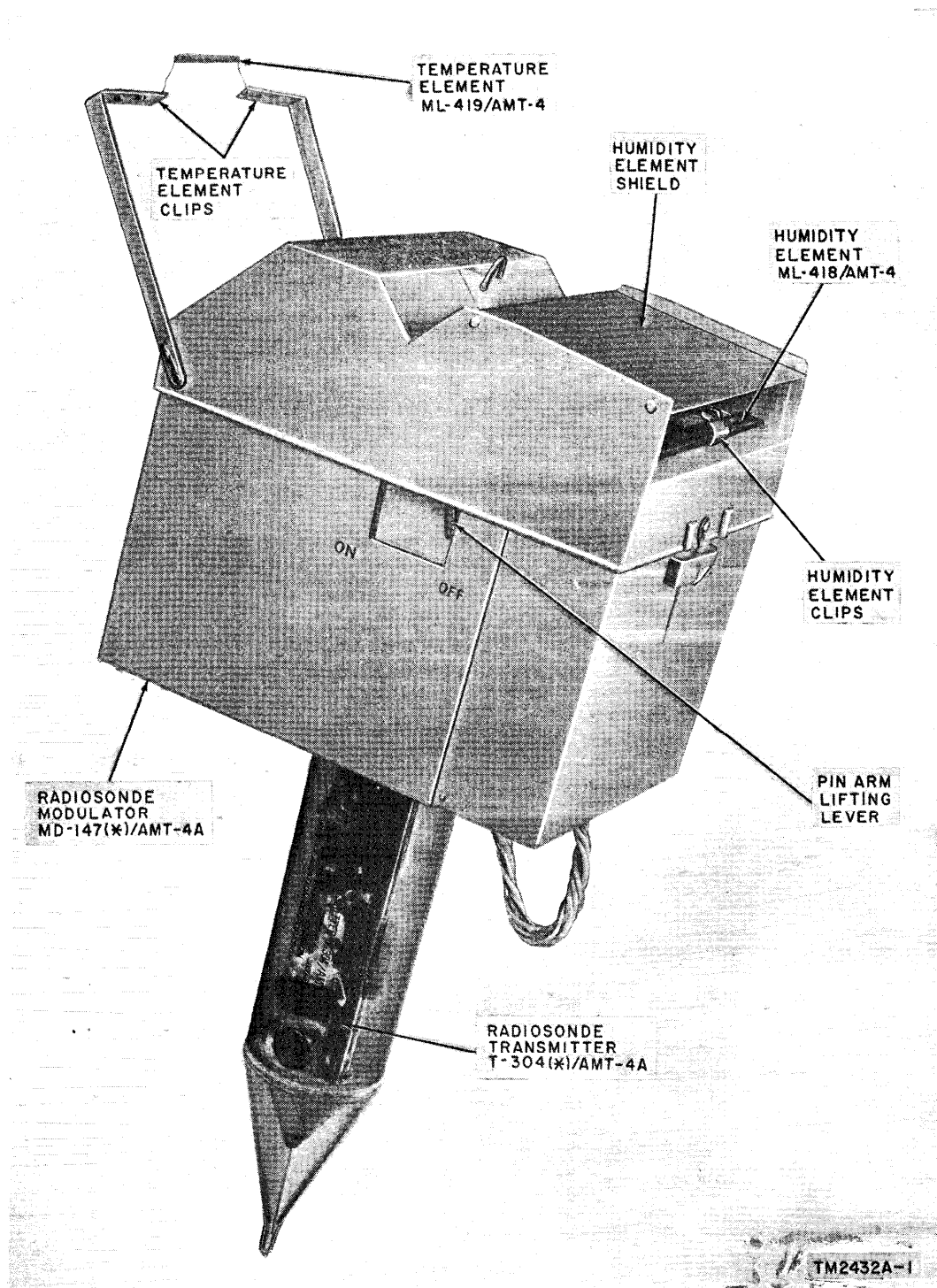


Figure 2. Radiosonde Set AN/AMT-4().

TM 750-5-3
AN/AMT-4()

1. NOMENCLATURE: Radiosonde Set AN/AMT-4 ().

2. TYPE CLASSIFICATION: Standard A.

3. SECURITY REQUIREMENTS: Unclassified.

4. PRIMARY USE OR CONCEPT OF EMPLOYMENT:
 Furnishes data on temperature, humidity, and pressure of the upper air.

5. BRIEF FUNCTIONAL DESCRIPTION: Radiosonde Set AN/AMT-4() is a balloon-borne, battery-powered meteorological instrument which transmits signals relating to the pressure, temperature, and humidity of the air-to-ground receiving equipment. The AN/AMT-4() transmits signals to a rawin set which is connected to a radiosonde recorder. The recorder prepares a flight record on calibrated graph paper which is used to evaluate the information received from the radiosonde set. Information for computation of wind direction and speed is obtained from Control Recorder C-577 IGMD-1 of Rawin Set AN/GMD-1(), from the rise and horizontal drift of the radiosonde set. Meteorological data provided by the AN/AMT-4() are used for analyzing and forecasting weather conditions, guiding aircraft, planning missions for aircraft, and preparing ballistic correction data for the effect of the atmosphere on the trajectory of artillery projectiles, missiles, and rockets.

6. TECHNICAL CHARACTERISTICS:

Range of measurements:

Atmospheric pressure _ _	1,060 to 5 mb.
Temperature _ _ _ _ _	+60° C. to -90° C.
Relative humidity _ _ _	10% to 100%.

Accuracy:

Atmospheric pressure _	± 4 mb.
Temperature _ _ _ _ _	±1° C.
Relative humidity _ _ _	± 10 %.

Distance range:

Altitude _ _ _ _ _	100,000 ft (30,480 meters)
	max.
Horizontal _ _ _ _ _	125 mi (201,125 meters)
	max.

Radiosonde Modulator:

MD-147 () /AMT-4A.
 MD-210A/AMT-4B.

Radiosonde Transmitter:

T-304 ()/A MT-4A.
 T435A/AMT-4B.
 T-436 A/AMT-4B.

Power requirements _ _ 115, 6, and 1.5 vdc (Battery Pack BA-259/AM).

Frequency range:

T-304()/AMT-4A _	1,668 to 1,692 MHz.
T-435A/AMT-4B _	1,660 to 1,700 MHz.

Preset frequency _ _ _ _ _ 1,680 ±4 MHz.

Type of signal _ _ _ _ _ Am.

Antenna _ _ _ _ _ Dipole, current fed.

Approximate weight including battery _ _ _ _ _ 1,105 g.

7. MAJOR COMPONENTS:

Radiosonde Modulator MD-147()/AMT-4A.
 Radiosonde Transmitter T-304()/AMT-4A.
 Temperature Element ML-419/AMT-4A.
 Humidity Element ML-418 /AMT-4A.
 Radiosonde Modulator MD-210A/AMT-4B.
 Radiosonde Transmitter T-435 A/AMT-4B.
 Humidity Element ML-476/AMT/4B.
 Resistor, 47,000 ohms ±20% AN/AMT-4B.
 Pressure calibration chart.

8. SET, SYSTEM, FACILITY, AND CONFIGURATION

APPLICATIONS: This set is used in a system with Rawin Set AN/GMD-1() and Radiosonde Recorder AN/TMQ-5().

9. ADDITIONAL EQUIPMENT REQUIRED AND AUXILIARY EQUIPMENT:

a. *Additional Equipment.*

Battery Pack BA-259/AM.
 Meteorological balloon, inflating and launching accessories, and parachute.
 Radiosonde Baseline Check Set AN/GMM-1.
 Rawin Set AN/GMD-1().
 Radiosonde Recorder AN/TMQ-5C, AN/TMQ-5A, AN/TMQ-5B, or AN/TMQ-5C.
 Test Set T-538/U, TS-538A/U, TS-538B/U, or TS-538C/U.

b. *Auxiliary Equipment.* None.

10. TOOLS AND TEST EQUIPMENT: None.

11. REFERENCE DATA AND LITERATURE:

TM 11-2432A _ _ _ _ _ AN/AMT-4(A,B)
 TM 11-6660-228-10 _ _ _ _ _ AN/AMT-4C, D
 TM 11-6660-219-12, -20P, AN/GMM-1, -1A
 -35P.
 TM 11-6660-204-10, 25, 25P, AN/TMQ-5()
 ESC.
 TM 11-6625-213-12, -20P, TS-538/U
 -35, -35P.

12. REPAIR PARTS SUPPORT CAPABILITY: No density.

13. TRAINING REQUIREMENTS: Operator MOS 93-E-20, 93-F-20.

14. TYPICAL BASIS OF ISSUE:

TA	Allowance
M2WOH8AA _ _ _ _ _	1

15. PRICE DATA:

a. Major item _ _ _ \$17.60.
 b. Repair parts (1-year cost based on 100 equipments) _ _ _ _ Expendable, nonrepairable.

16. ITEM REPLACED: None.

17. REMARKS:

Issued as a unit replacement.