

A-A-51588
1 August 1986

COMMERCIAL ITEM DESCRIPTION

WET GLOBE TEMPERATURE KIT (Dial Thermometer Type, Mechanical)

This Commercial Item Description covers a lightweight Fahrenheit scale wet globe thermometer kit for use in outdoor areas to provide an index of heat stress in hot and humid climates.

Salient characteristics:

Shall be a lightweight wet thermometer Fahrenheit scale kit, for use in outdoor areas to provide an index of heat stress in hot and humid climates. Shall be designed to combine air temperature, humidity, wind and thermal radiation factors into a single reading.

The kit shall include the following:

1. A 2-3/8 inch diameter hollow copper sphere with a thermometer well on the inside. The outside of the sphere shall be painted black and also be covered with a double layer of black cloth.
2. A water reservoir with an inner tube along its centerline. The water reservoir shall be attached to the sphere and the inner tube shall be connected to the thermometer well.
3. A 2-1/2 to 3 inch long belt loop or suspension device that is affixed to the top of the water reservoir.
4. A bimetallic thermometer with a dial face and stem.
5. An 8 ounce capacity squeeze bottle.
6. Two (2) replacement cover bags with tying threads, for use over the sphere with the black cloth covering.
7. Operating instructions for the wet globe thermometer.

The bimetallic thermometer shall be secured in the water reservoir by a suitable friction device which grips the stem to resist its withdrawal or dropping out, but permits the stem to rotate in order to preclude loss of calibration in the event that the housing for the dial face is rotated. The friction device shall not prevent the intentional removal of the bimetallic thermometer for such purposes as a calibration check or replacement.

AMSC N/A

FSC 6665

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

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The dial face of the bimetallic thermometer shall include a scale range of 30 to 120 degrees (F.) in one degree increments. In addition, the dial face shall be color coded for the following sectors:

<u>Color</u>	<u>Sector range (degrees (F.))</u>
Green	80.2 to 83.1
Yellow	83.1 to 86.0
Red	86.0 to 87.9
Black	Greater than 87.9

In operation, the cloth covering on the sphere shall be kept continuously moistened by water seeping from the top mounted water reservoir. The stem of the bimetallic thermometer shall be inserted through the inner tube of the water reservoir, and extend into the globe to sense its temperature. The squeeze bottle shall add water through a fill hole at the upper end of the water reservoir.

Workmanship. The wet globe thermometer kit shall be free from defects which detract from its appearance or impair its serviceability.

Unit. Each (EA). One wet globe temperature kit as specified, constitutes one unit.

Quality Assurance Provisions.

Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or purchase order, the contractor may use his own or any facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.

Records. Records of examinations and tests performed by or for the contractor shall be maintained by the contractor and made available to the Government upon the Government's request, at any time, or from time to time, during the performance of the contract and for a period of three years after delivery of the supplies to which such records relate.

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Inspection. Inspection, as used herein, is defined as both examination (such as visual or auditory investigation without the use of special laboratory appliances or procedures) and testing (determination by technical means of physical and chemical properties) of the item.

Inspections and Tests. Inspections and tests shall be conducted to determine compliance with specification requirements. Where feasible, the same sample shall be used for the determination of two or more test characteristics.

Sampling for inspection and tests. Sampling for inspection and tests shall be conducted in accordance with commercial practice.

Contractor certification. The contractor shall certify that the product offered meets the salient characteristics of this description and conforms to the producers' own drawings, specifications, standards, and quality assurance practices. The Government reserves the right to require proof of such conformance prior to first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

Regulatory requirements.

Federal Food, Drug and Cosmetic Act. If the product covered by this document has been determined by the U.S. Food and Drug Administration to be under its jurisdiction, the offeror/contractor shall comply, and be responsible for compliance by its subcontractors/suppliers, with the requirements of the Federal Food, Drug and Cosmetic Act, as amended, and regulations promulgated thereunder. In addition, the offeror/contractor shall comply, and be responsible for compliance by its subcontractors/suppliers, with the requirements of all other applicable Federal, State, and local statutes, ordinances, and regulations.

Recovered materials. The offeror/contractor is encouraged to use recovered material in accordance with Public Law 94-580 to the maximum extent practical.

Preservation, packaging, packing, labeling, and marking. Unless otherwise specified, preservation, packaging, and packing shall be to a degree of protection to preclude damage to containers and/or contents thereof under normal shipping conditions, handling, etc., involving shipment from the supply source to the receiving activity, plus reshipment from receiving activity, and shall conform to applicable carrier's rules and regulations. Intermediate and exterior package quantities and labeling and marking shall be as specified in the contract and/or order.

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The following National Stock Number is covered by this document:

6665-01-103-8547

The following National Stock Number is assigned to replacement cover bags (two cover bags per unit package):

6665-01-141-7463 Cover, WET GLOBE TEMPERATURE KIT

Ordering data. (Intermediate/exterior package quantities and labeling and marking must be specified in the contract and/or order).

MILITARY INTERESTS:

Custodians:

Army-MD
Navy-MS
Air Force-03

PREPARING ACTIVITY:

DoD-MB
Agent
DLA-DM

CIVIL AGENCY COORDINATING ACTIVITY:

VA-OSS

Project No. 6665--0499

Location: NCR Disk #3

INSTRUCTIONS: In a continuing effort to make our standardization documents better, the DoD provides this form for use in submitting comments and suggestions for improvements. All users of military standardization documents are invited to provide suggestions. This form may be detached, folded along the lines indicated, taped along the loose edge (*DO NOT STAPLE*), and mailed. In block 5, be as specific as possible about particular problem areas such as wording which required interpretation, was too rigid, restrictive, loose, ambiguous, or was incompatible, and give proposed wording changes which would alleviate the problems. Enter in block 6 any remarks not related to a specific paragraph of the document. If block 7 is filled out, an acknowledgement will be mailed to you within 30 days to let you know that your comments were received and are being considered.

NOTE This form may not be used to request copies of documents, nor to request waivers, deviations, or clarification of specification requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

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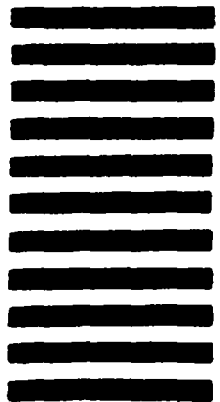
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STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

(See Instructions - Reverse Side)

1. DOCUMENT NUMBER
A-A-51588

2. DOCUMENT TITLE
WET GLOBE TEMPERATURE KIT

3a. NAME OF SUBMITTING ORGANIZATION

4. TYPE OF ORGANIZATION (Mark one)

VENDOR

USER

MANUFACTURER

OTHER (Specify) _____

b. ADDRESS (Street, City, State ZIP Code)

5. PROBLEM AREAS

a. Paragraph Number and Wording.

b. Recommended Wording

c. Reason/Rationale for Recommendation

6. REMARKS

7a. NAME OF SUBMITTER (Last, First, MI) - Optional

b. WORK TELEPHONE NUMBER (Include Area Code) - Optional

c. MAILING ADDRESS (Street, City, State, ZIP Code) - Optional

8. DATE OF SUBMISSION (YYMMDD)