

A-A-50207A
January 25, 1988
SUPERSEDING
A-A-50207
May 23, 1983

COMMERCIAL ITEM DESCRIPTION

MICROSCOPE, OPTICAL:

MONOCULAR, FIXED-FOCUS, POCKET-TYPE,
BETWEEN 40X AND 60X MAGNIFICATION

The General Services Administration has authorized the use of this commercial item description in preference to military specification MIL-M-52391.

This description covers a pocket-type microscope with an optical system of between 40X and 60X magnification intended for use in the inspection of scribed lines made on scribed, coated plastic sheets in the color-separation drafting phase of military cartography.

Salient characteristics:

Material:

Microscope. Aluminum, brass, copper, or corrosion-resistant steel.
Only one type of metal shall be used in any one microscope.

Base. Clear acrylic plastic.

Glass. Optical quality free from visible defects producing distortion of magnified images viewed through the lens system. The glass shall contain no radioactive material.

Design: The microscope shall consist of a tube, a lens system, a reticle, a light reflector, and a plastic base (see figure 1).

Lens system. The lens system shall resolve approximately 144 lines per millimeter. The objective lens mount shall be threaded to receive a light reflector. Magnifying power shall be not less than 40X nor more than 60X.

Reticle. The reticle shall contain an accurately engraved or etched scale not less than 0.100 inch long and calibrated in 0.001-inch divisions.

AMSC N/A

FSC 6650

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

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

Packaging and marking. Military packaging shall be specified when shipments are to overseas Department of Defense (DoD) consignees. Commercial packaging may be specified for shipments to DoD consignees within the Continental United States and to non-DoD consignees worldwide. When a supplier's normal packaging will satisfy the requirements for military packaging, it may be used.

Military packaging. Each microscope shall be preserved and packed to protect against physical damage and deterioration in a logistic environment characterized by the following:

1. Multiple handling during transportation and in-transit storage.
2. Shock, vibration, and static loading forces during worldwide shipment by all transport modes.
3. Uncontrolled warehouse storage for extended periods.
4. Weather exposure during shipment and in-transit transfers.
5. Stacking loads during shipment and storage.

Quantities of microscopes destined to a single addressee may be unitized into one or more unit loads.

Commercial. Each microscope shall be packaged in accordance with the supplier's normal method for retail distribution. Individually packaged microscopes shipped to a single destination may be unitized to permit handling as a single unit. Shipping containers shall comply with Uniform Freight Classification or National Motor Freight Classification rules.

Marking. Unit, intermediate (when provided), and exterior packs shall be marked with the item nomenclature, stock or part number, quantity per pack, and contract number as a minimum; additional marking shall be as specified in the contract or order. Exterior packs shall have in addition the complete consignee's address. Markings shall be applied in a legible manner, in a contrasting color, of an appropriate size, and of waterproof materials.

Quality assurance. The microscope shall be examined for the following defects. Presence of one or more defects shall be cause for rejection.

1. Design not as specified.
2. Material not specified.
3. Lens system not as specified.
4. Magnifying power not as specified.
5. Reticle scale not as specified.
6. Packaging and marking not as specified.

Certification of commercial item. The contractor shall certify that the product offered to the Government meets the salient characteristics of this description and that the product conforms to the producer's own drawings, specifications, standards, and quality assurance practices and is the same product as the manufacturer's current product offered by the contractor in the commercial

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marketplace for at least one year preceding the solicitation. 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.

Small business. A small business that cannot meet the certification-of-commercial-item requirement of this document, may make an offer under this solicitation; and, if such small business is the apparent successful offeror, the Government may require the small business to submit a sample pocket microscope. Any such monocular pocket microscope may be evaluated for this solicitation if time to contract award permits. Such evaluation would be to determine conformance to all requirements of this commercial item description and to determine equivalency to pocket microscopes available in the commercial marketplace in the areas of durability, human factors engineering, and safety. It should be noted that samples are not required unless specifically requested by the contracting officer. Note. The Government may elect not to evaluate a sample from an apparent low offerer for award for the solicitation if a determination of urgency is made by contracting officer. The sample would then be evaluated prior to future solicitation for comparable items.

Notes:

1. When this commercial item description is used for procurement, the commercial item certification clause must appear in the solicitation.
2. Figure. The figure shows the basic design of a monocular pocket microscope which has been found acceptable; however, the figure is for illustration only and is not intended to preclude the furnishing of other designs which conform to the salient characteristics.

MILITARY INTEREST:

Custodian

Army - ME

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FCGC

PREPARING ACTIVITY:

Army - ME

Project 6650-0135

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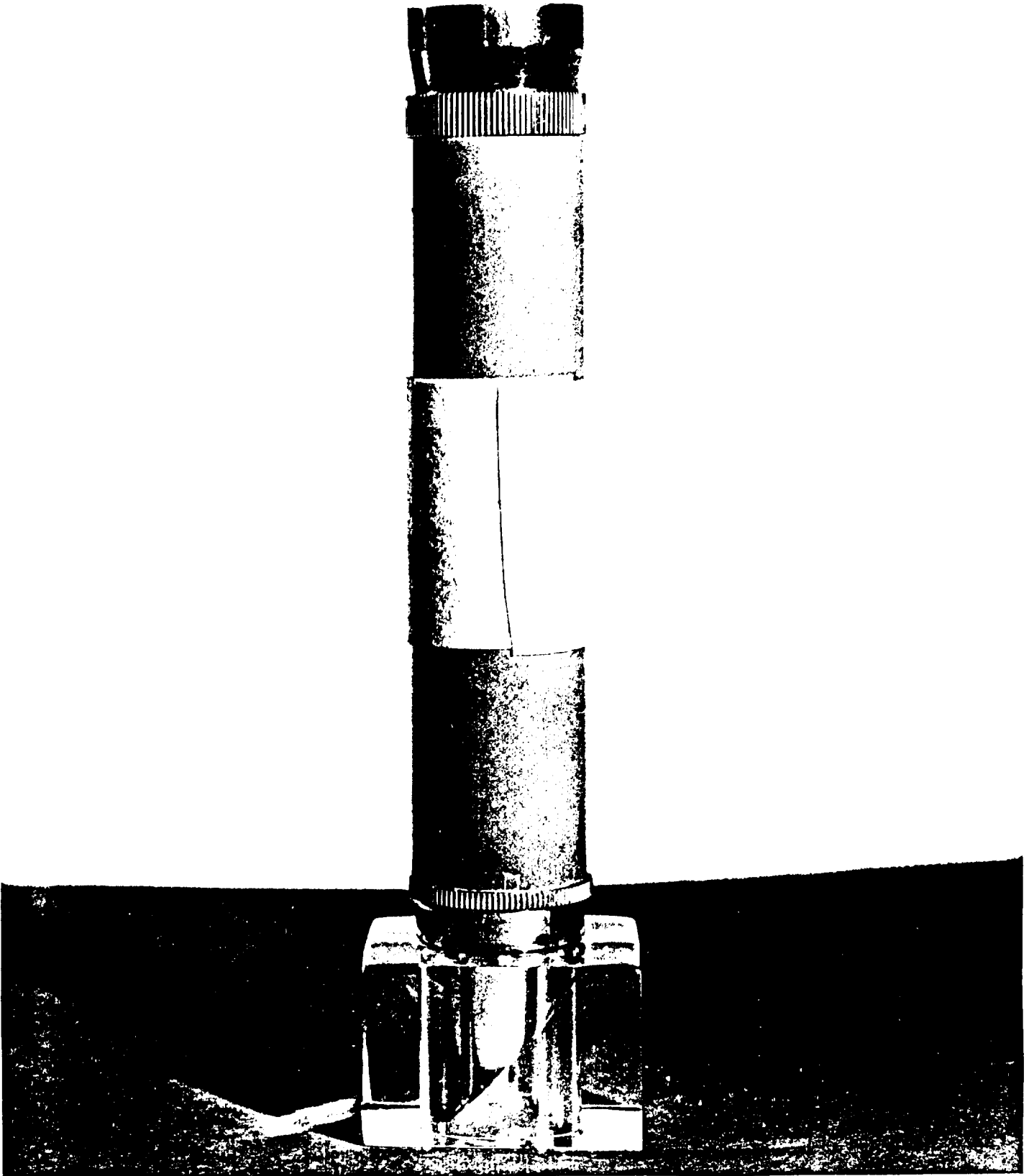


FIGURE 1. Microscope, optical.