

[METRIC]
A-A-1453C
July 20, 1998
SUPERSEDING
A-A-1453B
March 30, 1989

COMMERCIAL ITEM DESCRIPTION

STOPWATCH, DIGITAL, ELECTRIC

The General Services Administration has authorized the use of this commercial item description for all federal agencies.

1. SCOPE:

This commercial item description covers two types of electric digital stopwatches.

Type I - Time-out mode timing with two separate controls for start/stop and reset.

Type II - Split mode timing with controls for freezing the display to give the split time, while allowing the timing to continue. The start/stop and reset controls shall be separate.

2. SALIENT CHARACTERISTICS:

- 2.1 **General.** Any metal used shall be corrosion-resistant or treated to resist any type of corrosion, consistent with their normal functioning. The stopwatch shall be water-resistant and of appropriate size and weight for hand held use. A minimum 100 centimeter nylon cord lanyard shall be attached to the stopwatch.
- 2.2 **Power.** The stopwatch shall be powered by one or two commercially available batteries.
- 2.3 **Time display.** The time display shall be a digital Liquid Crystal Display (LCD) reading minutes, seconds and 1/100 th of a second from a minimum of 30 minutes to a maximum of 59 minutes, 59.99 seconds; and equipped with automatic rollover to zero.

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any other data which may improve this document should be sent to: General Services Administration, Engineering Branch (2FYEE), New York, NY 10278.

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- 2.4 Accuracy.** The stopwatch shall be accurate to within 0.3 per-cent at 25 degrees C.
- 2.5 Case and inner workings.** The materials used shall be of sufficient quality, strength, and durability to ensure accuracy and reliability for at least two years of normal use. The case shall be shock resistant.
- 2.6 Workmanship.** All parts shall be fabricated and finished in accordance with good workmanship practices and shall be free of any defects which might affect its durability, or appearance.
- 2.7** The stopwatch shall be tested for accuracy following exposure to low and high temperature extremes of -10 +/- 1 and +50 +/- 2 degrees C, the relative humidity at the high temperature shall be 50% +/- 2%. Duration of the test shall be two hours each cycle.
- 2.8 WARRANTY:** Stopwatches shall be warranted by the contractor for parts and labor for two years from date of delivery to the government.

3. REGULATORY REQUIREMENTS:

The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.4303 of the Federal Acquisition Regulation (FAR).

4. QUALITY ASSURANCE PROVISIONS:

Product Conformance. The product provided shall meet the salient characteristics of this commercial item description. The quality of the product sold to the government shall be equal to or better than the quality of the product sold by the manufacturer in the commercial market. The government reserves the right to require proof of such conformance.

5. PACKAGING:

Preservation, Packaging, Packing, Labeling, and Marking shall be as specified in the contract or purchase order.

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6. NOTES:

6.1 Addresses for obtaining copies of referenced documents:

The issue date in effect on date of invitation for bids or request for proposal shall apply.

6.1.1 Federal Acquisition Regulations (FAR) may be obtained from the U.S. Government Printing Office, Washington, D.C. 20402.

6.2 Ordering Data: Purchasers should include in procurement documents: Title, number, and date of this document.

6.3 List of NSN's:

- 1) 6645-01-106-4302 for Type I.
- 2) 6645-01-106-4303 for Type II.

**Military Interest
None**

**Preparing Activity
GSA-FSS**