

INCH-POUND

MIL-DTL-7793/6B

19 October 2012

SUPERSEDING

MIL-M-7793/6A

15 September 1988

DETAIL SPECIFICATION SHEET

METER, TIME TOTALIZING, MINIATURE, DIGITAL, 115 V, 400 Hz

This specification is approved for use by all
Departments and Agencies of the Department of Defense.

Reactivated after 19 October 2012 and may be
used for new and existing designs and acquisitions.

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-7793.

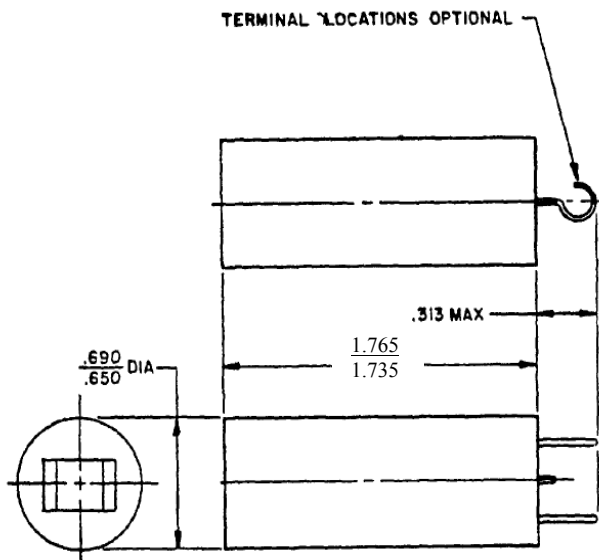


FIGURE 1. M7793/6-001
(without flange).

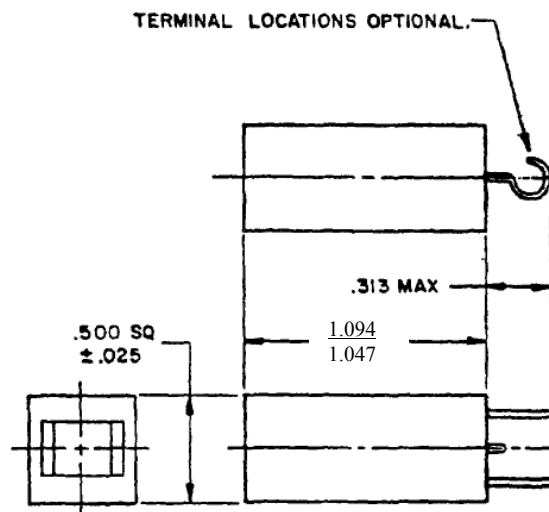


FIGURE 2. M7793/6-002
(without flange).

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REQUIREMENTS:

1. Dimensions. Dimensions are in inches. Unless otherwise specified, tolerances shall be ± 0.015 .
2. Life accuracy. Meter accuracy shall be ± 0.1 percent from -85 to 257° F (-65 to 125° C) and 100 to 130 V AC at 400 Hz.
3. Frequency rating. The meter shall operate satisfactorily and maintain the life accuracy limits as specified above over the frequency range of 380 to 420 Hz (see Note 2).
4. Power consumption. Power consumption at 115 volts alternating current (VAC), 400 Hz shall not exceed 1.5W.
5. Part numbers. The part number shall designate a round or a square meter and the associated mounting flange to be supplied together.

<u>Part Number</u>	<u>Meter Shape</u>	<u>Flange</u>
M7793/6-001	Round	MS3345-1
M7793/6-002	Square	MS3345-2

6. Operating temperature range. The operating temperature range shall be from -85 to $+257^{\circ}$ F (-65 to 125° C).
7. Time range. Total readout of the meters shall be 9999 hours.
8. Voltage range. The operating voltage shall be from 100 to 130 VAC.
9. Weight. Weight shall be not greater than 2.0 ounces with MS3345 flange attached.
10. Dielectric strength test voltages. The dielectric test voltages shall be 350 V root mean square (rms) at altitude specified in MIL-DTL-7793 and 600 V rms at room ambient temperature (approximately 25° C) and pressure.
11. Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

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NOTE:

1. M7793/6-001 supersedes MS17322-9 and M7793/6-002 supersedes MS17322-10.
2. Accuracy is degraded at the same percent as the percentage change in input frequency from 400 Hz, plus the specified accuracy tolerance.

Referenced documents. In addition to MIL-DTL-7793, this specification sheet references MS3345.

Custodians:

Army - AR
Navy - AS
Air Force - 99

Preparing activity:

Navy - AS
(Project 6645-2012-008)

Review activity:

DLA – GS1

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil>.