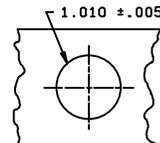
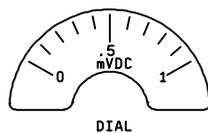
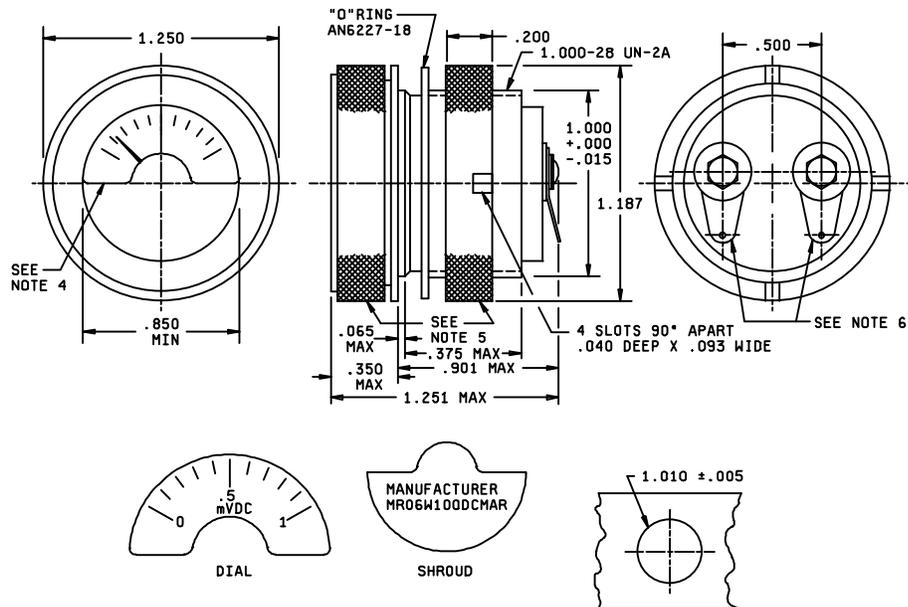


PERFORMANCE SPECIFICATION SHEET

METERS, ELECTRICAL INDICATING, PANEL TYPE, RUGGEDIZED:
 MILLIAMMETER, DC (FLUSH MOUNTING, ROUND FLANGE, 1 INCH),
 STYLES 05, 06, AND 07

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

The requirements for acquiring the meters described herein
 shall consist of this specification and MIL-PRF-10304.



MARKING ILLUSTRATION

PANEL DRILLING PLAN

MARKING ILLUSTRATION		PANEL DRILLING PLAN	
Inches	mm	Inches	mm
.005	.13	.350	8.89
.015	.38	.375	9.53
.040	1.02	.500	12.70
.065	1.65	.850	21.59
.093	2.36	.901	22.89
.200	5.08	1.000	25.40

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is $\pm .015$ (.38 mm).
4. Shroud design is optional.
5. Knurled edge required for mounting; optional for front flange.
6. The solder lug terminals shall accommodate wire of a diameter of .065 (1.65 mm) and may accommodate up to a maximum diameter of .105 (2.67 mm).

FIGURE 1. Meter, panel type.

MIL-PRF-10304/30A

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Weight: 4 ounces maximum.

Case material: Metal or molded thermosetting plastic.

Full-scale ranges: See table I.

Scale:

Pointer deflection: 90° minimum.

Length: .75 inch minimum.

Power consumption: 100 milliamperes maximum.

Position influence: ± 3 percent.

Accuracy: ± 3 percent.

Overshoot: 2.0 minimum.

Response time: 2.0 seconds.

High temperature cycling:

± 4 percent.

± 4 percent permanent change.

Temperature influence: ± 1 percent.

Exposure to extreme temperatures:

± 8 percent.

± 3 percent permanent change.

Overload capacity:

Momentary overload: ± 2 percent.

Sustained overload:

± 2 percent temporary zero shift.

± 1 percent permanent zero shift.

± 2 percent permanent change.

Dielectric withstanding voltage: 1, 000 volts rms.

Supersession data: See table II.

TABLE I. Full-scale ranges.

Ammeters	
Milliamperes	
Zero left	Zero Center
50	25-0-25
100	50-0-50
500	250-0-250

TABLE II. Supersession data.

Superseded type designation	New type designation
<p style="text-align: center;"><u>Style 04</u></p> <p>MR04W001DCMA MR04B001DCMA MR04F001DCMA MR04S001DCMA <u>1/</u></p> <p style="text-align: center;"><u>Style 05</u></p> <p>MR05W001DCMA MR05B001DCMA MR05F001DCMA MR05S001DCMA 1/</p> <p style="text-align: center;"><u>Style 06</u></p> <p>MR06W001DCMA MR06B001DCMA MR06F001DCMA MR06S001DCMA 1/</p>	<p style="text-align: center;"><u>Style 07</u></p> <p>MR07W001DCMAR MR07B001DCMAR MR07F001DCMAR MR07P001DCMAR</p> <p style="text-align: center;"><u>Style 05</u></p> <p>MR05W001DCMAR MR05B001DCMAR MR05F001DCMAR MR05P001DCMAR</p> <p style="text-align: center;"><u>Style 06</u></p> <p>MR06W001DCMAR MR06B001DCMAR MR06F001DCMAR MR06P001DCMAR</p>

1/ The color scheme code letter "S" has been superseded by the code letter "P". The type designations of all new units will carry the code letter "P" (when applicable) to indicate that non-radioactive material has been used for phosphorescent markings and pointer.

Custodians:
 Army - CR
 Navy - SH
 Air Force - 99
 DLA - CC

Preparing activity:
 DLA - CC
 (Project 6625-0881)

Review activities:
 Air Force - 11
 Army - AT, AV, CR4
 Navy - MC