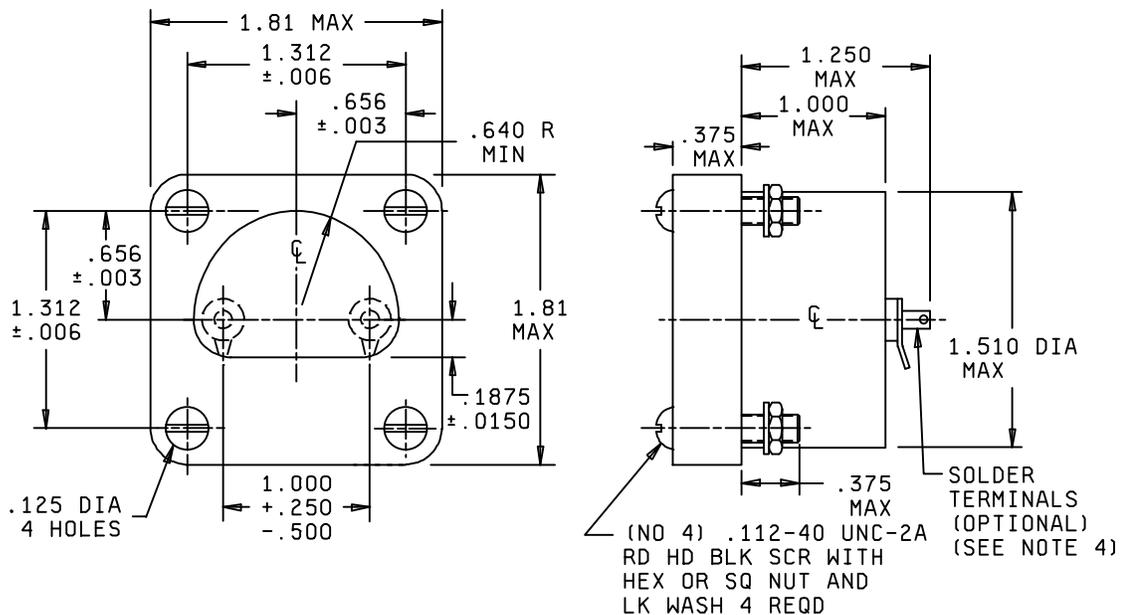


PERFORMANCE SPECIFICATION SHEET

METERS, ELECTRICAL INDICATING, PANEL TYPE, RUGGEDIZED:
 VOLTMETER, DC (SQUARE FLANGE, 1½ INCH), STYLE 13

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.



Inches	mm	Inches	mm	Inches	mm
.003	.08	.1875	4.76	.656	16.66
.006	.15	.250	6.35	1.000	25.40
.0150	.38	.375	9.53	1.250	31.75
.112	2.84	.500	12.70	1.312	33.32
.125	3.18	.640	16.26	1.510	38.35
				1.81	45.97

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Tolerances are ±.005 (.13 mm).
4. The center line of the terminals may be located .188 (4.78 mm) above or below the center line of the meter.
5. Letters and numerals for scale numerals and captions shall be .085 (2.16 mm) max and all others shall be .050 (1.27 mm) max.

FIGURE 1. Meter, panel type.

MIL-PRF-10304/21G

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Weight: 4 ounces maximum.

Full-scale ranges: See table I.

Scale:

Length: 1 inch minimum.

Pointer deflection: 90° nominal.

Position influence: ±3 percent maximum change for 60° rotation from normal operating position.

Accuracy: ±3 percent.

Overshoot: 50 percent maximum.

Response time: 2 seconds maximum.

Power consumption (loss) (at end scale deflection): 1 mA ±5 percent.

High temperature cycling:

±5 percent.

±3 percent permanent change.

Temperature influence: ±0.75 percent change.

Exposure to extreme temperatures:

±3 percent permanent change.

Overload capacity:

Sustained overload:

±1 percent temporary zero shift.

±1 percent permanent zero shift.

±2 percent permanent change.

Dielectric withstanding voltage: 1,500 volts rms.

TABLE I. Full-scale ranges.

Millivolts	Volts	
	Zero left	Zero center
30	2	30-0-30
50	10	50-0-50
100	20	100-0-100
200	30	
300	50	
500	100	
	200	
	300	

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Custodians:

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

Preparing activity:
DLA - CC

(Project 6625-0874)

Review activities:

Air Force - 11
Army - AR, AT, AV, CR4
Navy - MC