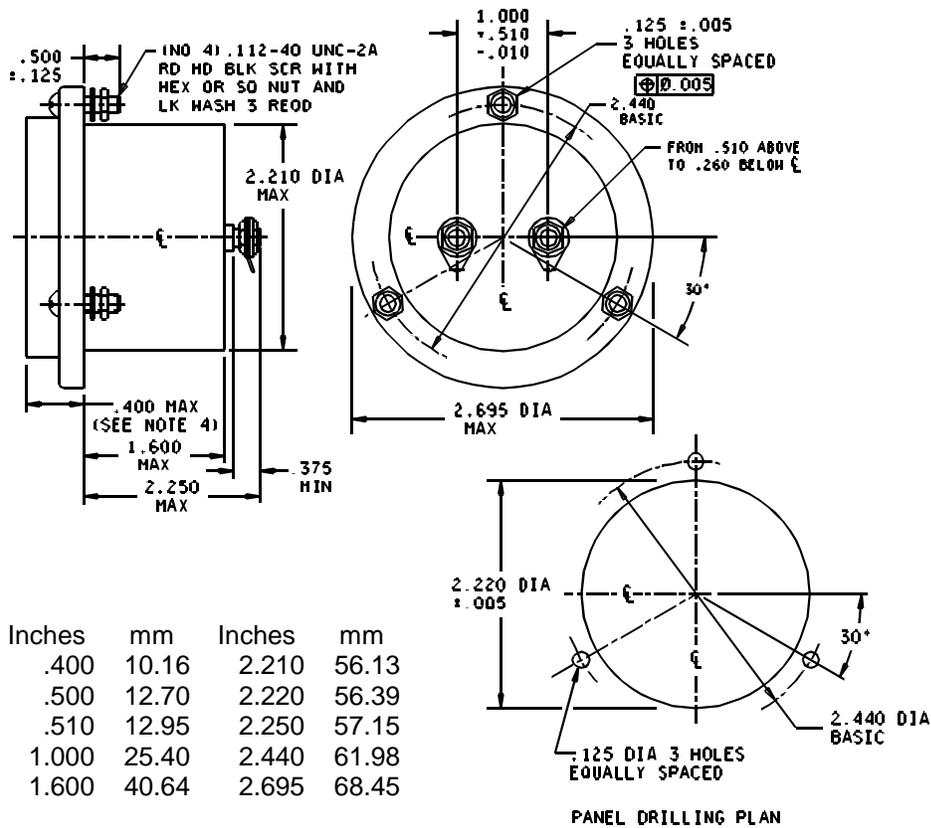


PERFORMANCE SPECIFICATION SHEET

METERS, ELECTRICAL INDICATING, PANEL TYPE, RUGGEDIZED:
 VOLTMETER, DC (FLUSH MOUNTING, ROUND FLANGE, 2-½ INCH) STYLE 26

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

The complete requirements for procuring the meters described herein shall consist of this document and the latest issue of Specification MIL-PRF-10304.



NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Tolerance is $\pm\frac{1}{2}^\circ$ on angles.
4. Maximum projection from front panel including mounting gaskets (if used).

FIGURE 1. Meter, panel type.

REQUIREMENTS:

(Readings expressed as percent of full-scale value.)

Dimensions and configuration: See figure 1.

Full-scale ranges: See table I.

Scale:

Length: 1.5 inches minimum.

Pointer deflection: 10° minimum.

Position influence: ±2 percent change for 60° rotation from normal operating position.

Accuracy: ±2 percent.

Overshoot: 50 percent maximum.

Response time: 2 seconds maximum.

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

High temperature cycling:

±3 percent

±2 percent permanent change.

Temperature influence: ±0.75 percent change.

Exposure to extreme temperature: ±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: 3,000 volts rms.

TABLE I. Full-scale ranges.

Volts			Kilovolts <u>1/</u>
Zero left		Zero center	
2	100	50-0-50	1 10
5	150	100-0-100	2 20
10	200	200-0-200	5 30
20	300		
30	<u>1/</u> 500		
50			

1/ Used with external resistor. These meters shall have a full-scale deflection of 1 mA, with 150 mV maximum terminal drop. Requirements for these meters shall be as specified for milliammeters in accordance with MIL-PRF-10304/5.

Custodians:

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

Preparing activity:
DLA-CC

(Project 6625-0862)

Review activities:

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