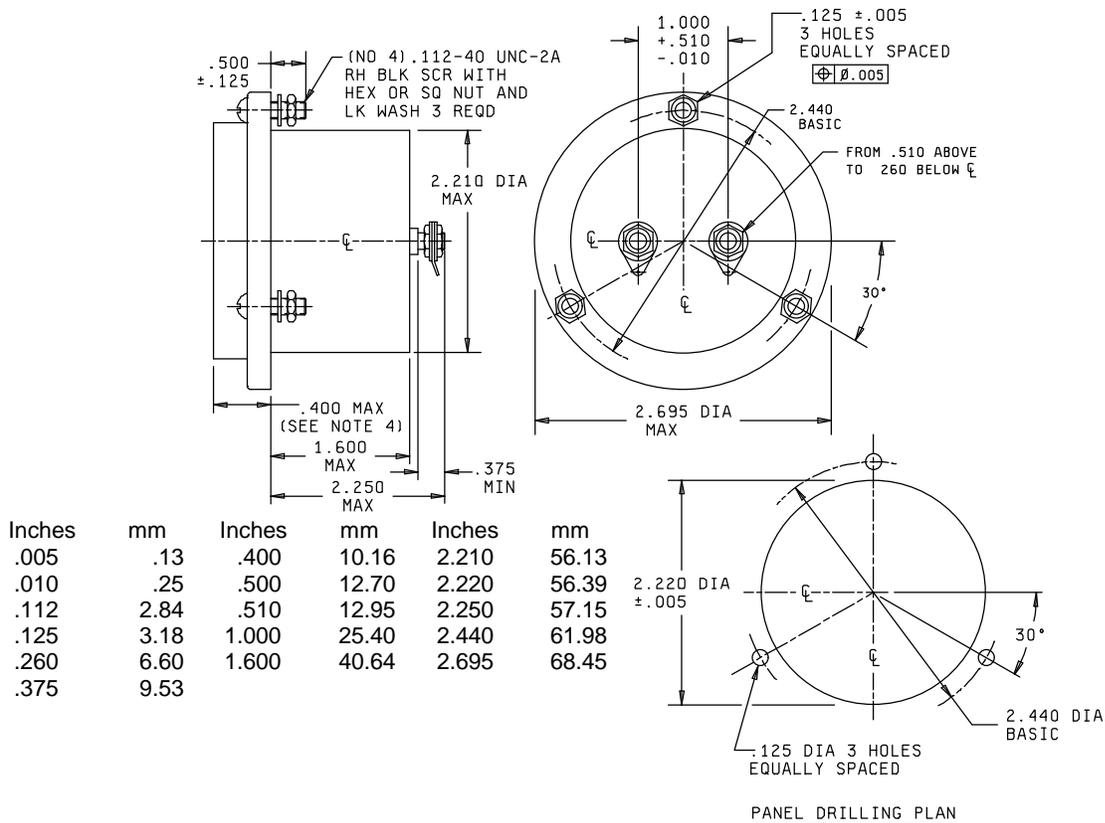


PERFORMANCE SPECIFICATION SHEET

METERS, ELECTRICAL INDICATING, PANEL TYPE, RUGGEDIZED:  
 RECTIFIER-TYPE VOLTMETER, AC  
 (FLUSH MOUNTING, ROUND FLANGE, 2½ INCH), STYLE 26

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.



NOTES:

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

FIGURE 1. Meter, panel type.

MIL-PRF-10304/25D

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Full-scale ranges: See table I.

Scale:

Length: 1.5 inch minimum.

Pointer deflection: 90° nominal.

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

Overshoot: 40 percent maximum.

Response time: 2 seconds maximum.

Power consumption (loss) (at end scale deflection):

Self-contained instruments: 1.1 mA maximum.

External resistors: 1.0 mA ±3 percent.

Terminal voltage drop: 2 volts ±3 percent (external resistor ranges).

Frequency range (±2 % change): at 50/60, 500, and 1,000 Hz.

High temperature cycling:

Above 5 volts: ±5 percent.

5 volts and below: ±10 percent.

Permanent change: ±2 percent.

Temperature influence:

Above 5 volts: ±3 percent.

5 volts and below: ±4 percent.

Exposure to extreme temperatures: ±2 percent

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>	
2	100	1	10
5	200	2	20
10	300	5	50
20	<u>1/</u> 500		
30			
50			

1/ Used with external resistor.  
These meters shall have a full-scale-deflection of 1 milliamperere.

MIL-PRF-10304/25D

Custodians:

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

Preparing activity:  
DLA - CC

(Project 6625-0878)

Review activities:

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