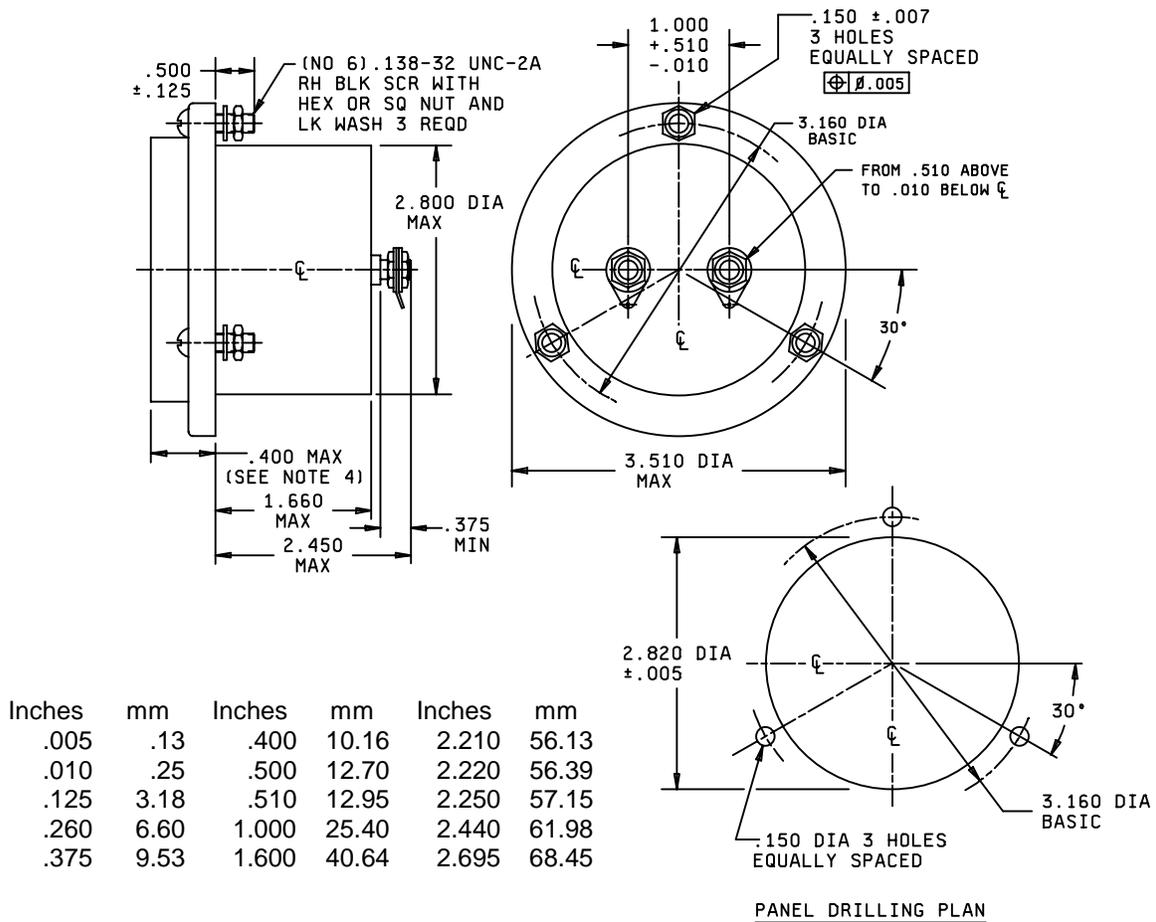


PERFORMANCE SPECIFICATION SHEET

METERS, ELECTRICAL INDICATING, PANEL TYPE, RUGGEDIZED:
 VOLTMETER, DC (FLUSH MOUNTING, ROUND FLANGE, 3½ INCH), STYLE 36

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 panel including mounting gaskets (if used).

FIGURE 1. Meter, panel type.

MIL-PRF-10304/11E

REQUIREMENTS:

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

Dimensions and configuration: See figure 1.

Full-scale ranges: See table I.

Scale:

Length: 2 inches minimum.

Pointer deflection: 90° minimum.

Position influence: ±2 percent change of 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 temperatures: ±3 percent permanent change.

Overload capacity:

±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 ^{1/}	
Zero left		Zero center			
2	20	150	30-0-30	1	10
10	30	200	50-0-50	2	20
	50	300	100-0-100	5	30
	100	500	200-0-200		
		800			

^{1/} Used with external resistor. These meters shall have a full-scale deflection of 1 milliamper, with 150 millivolts terminal drop. Requirements for these meters shall be as specified for milliameters in accordance with MIL-PRF-10304/12.

MIL-PRF-10304/11E

Custodians:

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

Preparing activity:

DLA - CC

(Project 6625-0867)

Review activities:

Army - AR, AT, AV, CR4