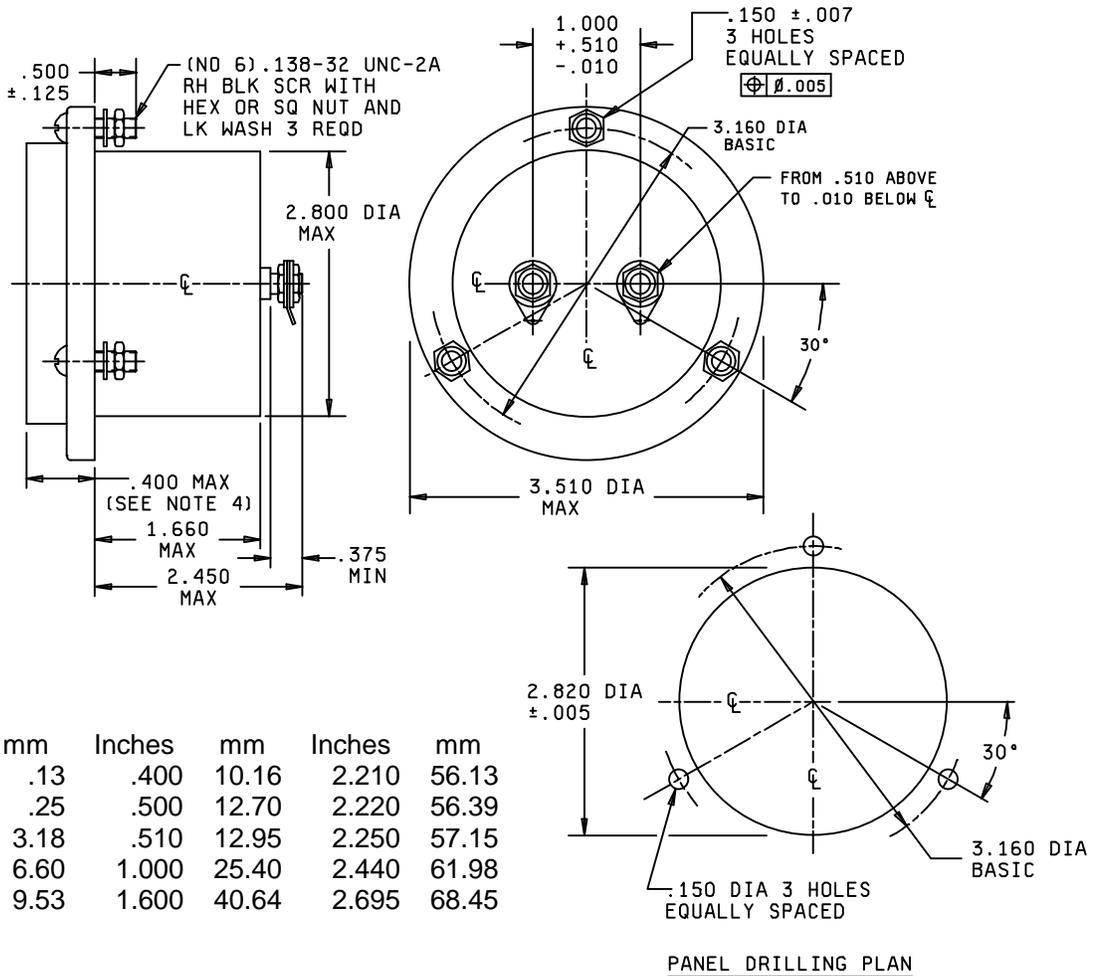


PERFORMANCE SPECIFICATION SHEET

METERS, ELECTRICAL INDICATING, PANEL TYPE, RUGGEDIZED:  
 AMMETER, AC (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.

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: 67 percent maximum .

Response time: 2.5 seconds maximum.

Power consumption (loss) (at end scale deflection): 4 volt-amperes maximum.

Frequency range (±2 percent change):

<u>Nominal frequency</u>	<u>Extreme range</u>
60-Hz voltmeters (AC)	25-125 Hz
400-Hz voltmeters (AF)	360-440 Hz
800-Hz voltmeters (AE)	720-880 Hz

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:

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 (AC, AE, AF)			
1.5	15	80	300
3	30	150	<u>1/</u> 500
8	50		<u>1/</u> 800
10			<u>1/</u> 1000

1/ Supplied with external shunt.

MIL-PRF-10304/13E

Custodians:

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

Preparing activity:

DLA - CC

(Project 6625-0869)

Review activities:

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