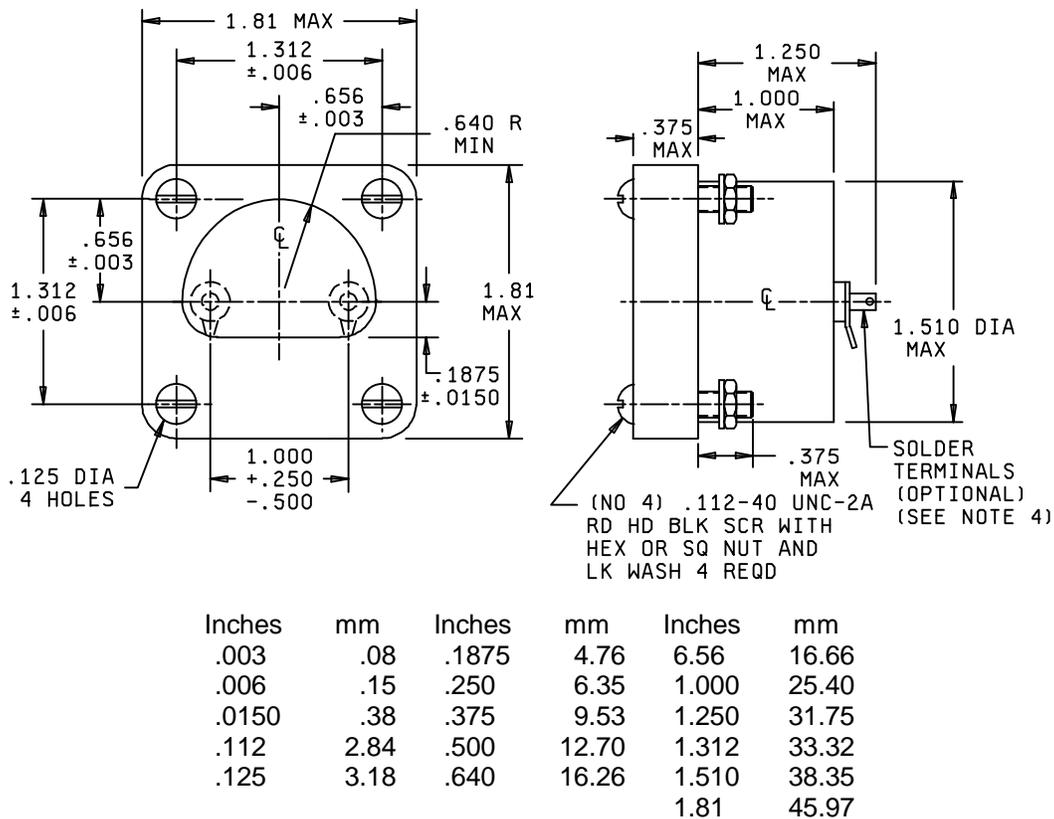


PERFORMANCE SPECIFICATION SHEET

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



NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is ± .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-10304/24G

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Weight: 4 ounces maximum.

Full-scale ranges: See table I.

Scale:

Length: 1.0 inch minimum.

Pointer deflection: 90° nominal.

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

Accuracy: ±3 percent.

Overshoot:

2.0 minimum

50 percent maximum.

Response time: 2 seconds maximum.

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

250 mV maximum for μA .

150 mV maximum for mA and self-contained ammeters.

50 mV ±3 percent for external shunt ammeters with shunt leads of 0.065 ± 0.010 ohm resistance.

High temperature cycling:

±5 percent.

±3 percent change.

Temperature influence: ±1 percent change.

Exposure to extreme temperatures: ±3 percent permanent change.

Overload capacity:

Momentary overload: ±2 percent permanent change.

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.

Microamperes		Milliamperes	
Zero left	Zero center	Zero left	Zero center
10	10-0-10	1	1-0-1
30	30-0-30	5	5-0-5
50	50-0-50	10	10-0-10
100	100-0-100	50	100-0-100
200	200-0-200	100	500-0-500
300	300-0-300	200	
500	500-0-500	500	

MIL-PRF-10304/24G

Custodians:

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

Preparing activity:
DLA - CC

(Project 6625-0877)

Review activities:

Army - AV, EA
Navy - MC