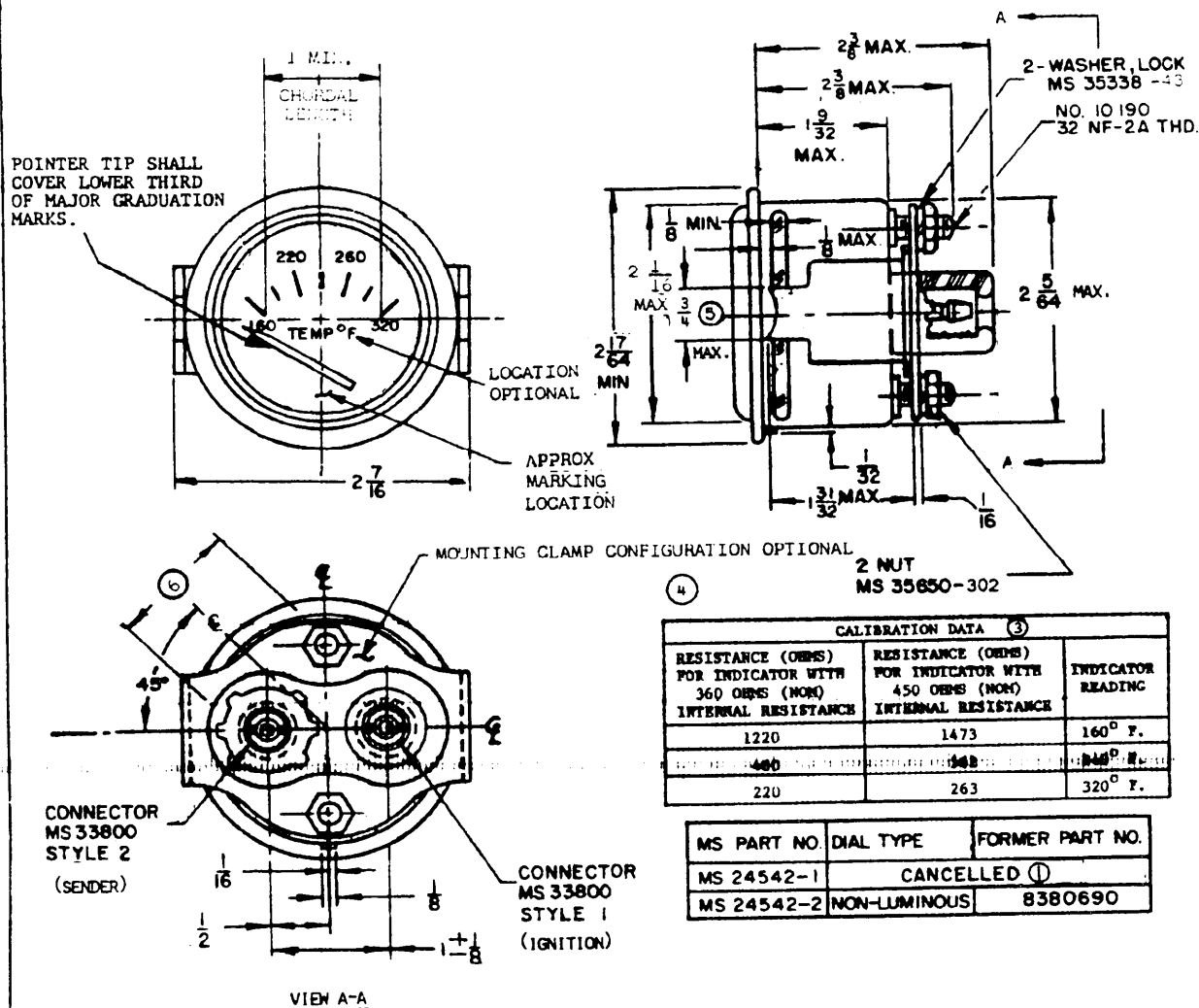


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(H) DENOTES CHANGES

APPROVED 27 OCTOBER 1958 REVISED (F) 11 SEPTEMBER 1978 (E) 25 SEP 1980 (H) 16 MAR 87

P.A. ARMY-AT
Other Cust
AF-99

TITLE
INDICATOR, TEMPERATURE, ELECTRICAL
RESISTANCE: 24 VOLT DC, RANGE 160 - 320°F

MILITARY STANDARD
MS 24542

1. REPLACEMENT DATA MUST BE AVAILABLE TO THE REPLACEMENT OR MODIFIED USER.
2. TYPE II TEMPERATURE UNIT INDICATOR OF FREQUENCY OF ILLUMINATION.
3. MUST OPERATE LINEARLY AND ACCURATELY WHEN PROPERLY CONNECTED IN A CIRCUIT WITH ASSOCIATED TRANSMITTER, MIL-4537.
4. RELATIVE LOCATION AND CONFIGURATION OF CONNECTORS AND MOUNTING CLAMP IS OPTIONAL, PROVIDED THAT DIAL ILLUMINATION IS NOT ADVERSELY AFFECTED.
5. MOUNTING CLAMP TIPS SHALL BE SHARP TO ASSURE GROUNDING.
6. FOUR (4) ILLUMINATING WINDOWS, 1/8" MINIMUM CHORDAL LENGTH, EQUALLY SPACED 45° OFF HORIZONTAL CENTERLINE (360° ILLUMINATING WINDOW OPTIONAL).
7. UNLESS OTHERWISE SPECIFIED, STEEL PARTS SHALL BE ZINC PLATED, TYPE II, SERVICE CONDITION I OF ASTM B 633.
8. CENTERLINE OF DIAL FACE SHALL BE WITHIN $\pm 2^\circ$ OF INDICATOR VERTICAL AXIS. VERTEX OF ANGULAR DIMENSIONS IS LOCATED AT POINTER PIVOT.
9. THREADS SHALL BE IN ACCORDANCE WITH FED-STD-H28/2.
10. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES; TOLERANCES ARE $\pm 1/64$ ON FRACTIONS, $\pm 1^\circ$ ON ANGULAR DIMENSIONS.
11. MARKING SHALL CONSIST OF THE MS PART NUMBER AND MANUFACTURER'S IDENTIFICATION IN ACCORDANCE WITH MIL-STD-130.

1. THIS STANDARD IS NOT INTENDED TO LIMIT CONSTRUCTION TO FEATURES OTHER THAN AS SHOWN HEREIN BY DIMENSIONS, NOTATIONS, OR REFERENCED DOCUMENTS.
- (H) 2. REFERENCED GOVERNMENT DOCUMENTS OF THE ISSUE LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DDISS) SPECIFIED IN THE SOLICITATION FORM A PART OF THIS STANDARD TO THE EXTENT SPECIFIED HEREIN.
- (H) 3. IN THE EVENT OF A CONFLICT BETWEEN THE TEXT OF THIS STANDARD AND THE REFERENCES CITED HEREIN, THE TEXT OF THIS STANDARD SHALL TAKE PRECEDENCE.
- (H) 4. THE USE OF RECYCLED MATERIALS WHICH MEET THE REQUIREMENTS OF THE APPLICABLE MATERIAL SPECIFICATIONS WITHOUT JEOPARDIZING THE INTENDED USE OF THE ITEM SHALL BE ENCOURAGED.

SHEET 2 OF 2

APPROVED 27 OCTOBER 1958 REVISED (H) FOR CHANGES SEE SHEET 2