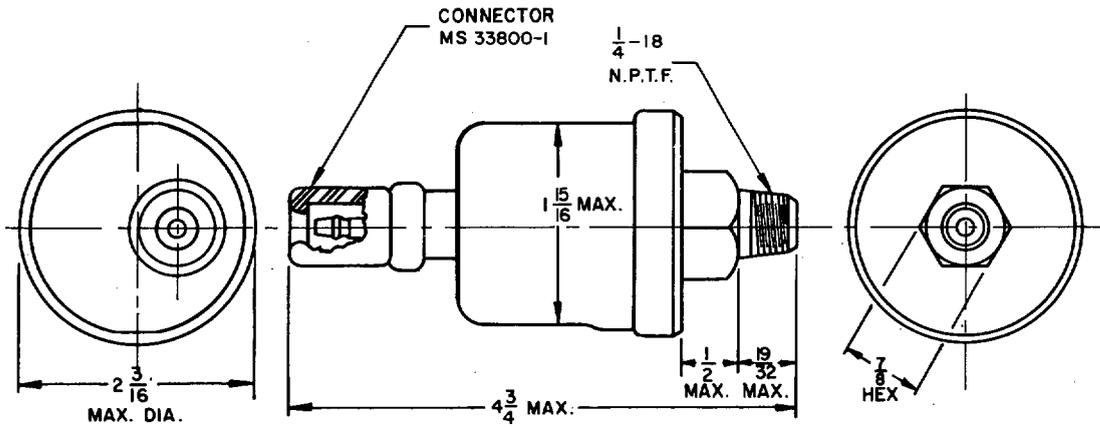


FED. SUP CLASS  
6620



CALIBRATION DATA	
PRESSURE (LB PER SQUARE INCH)	RESISTANCE (OHMS)
0	0 TO 1.0
5	2.0 TO 3.5
10	4.5 TO 6.0
15	7.0 TO 8.5
20	9.0 TO 11.0
25	11.5 TO 13.5
30	14.0 TO 16.0
35	16.5 TO 18.5
40	18.5 TO 21.0
45	21.0 TO 23.5
50	23.0 TO 26.0
55	25.5 TO 28.5
60	28.0 TO 31.0

- REQUIREMENTS:
- TYPE III (PRESSURE), UNIT 2 (TRANSMITTER) OF PROCUREMENT SPECIFICATION.
  - TRANSMITTER MUST OPERATE PROPERLY, LINEARLY, AND ACCURATELY THROUGHOUT THE RANGE OF 0 - 60 PSI WHEN CONNECTED TO THE ASSOCIATED INDICATOR, MS24541.
  - CALIBRATION DATA IS REQUIRED FOR INITIAL CALIBRATION PURPOSES. WHEN CALIBRATION IS REQUIRED DURING A TEST OR SUBSEQUENT TO A TEST, THEN CALIBRATE AT 0, 10, 30, AND 60 PSI ONLY.
  - INSTRUMENTATION USED TO MEASURE RESISTANCE SHALL BE ACCURATE WITHIN  $\pm$  0.5 PERCENT OF SCALE READING.
  - TRANSMITTER INTERNAL RESISTANCE ELEMENT SHALL BE OF WIRE-WOUND CONSTRUCTION. THIN FILM OR THICK FILM RESISTANCE SHALL NOT BE ACCEPTABLE.
  - SCREW THREADS SHALL BE IN ACCORDANCE WITH FED-STD-H28/2.
  - MARKING SHALL CONSIST OF THE 'MS' PART NUMBER AND THE MANUFACTURER'S IDENTIFICATION IN ACCORDANCE WITH MIL-STD-130.

- NOTES:
- DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE  $\pm$  1/64.
  - FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
  - THIS STANDARD IS NOT INTENDED TO LIMIT CONSTRUCTION TO FEATURES OTHER THAN AS SHOWN HEREON BY DIMENSIONS, NOTATIONS, AND REFERENCED DOCUMENTS.
  - REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BIDS.
  - THE USE OF RECYCLED MATERIALS WHICH MEET THE REQUIREMENTS OF THE APPLICABLE MATERIAL SPECIFICATION WITHOUT JEOPARDIZING THE INTENDED USE OF THE ITEM SHALL BE ENCOURAGED.

(D) DENOTES CHANGES

MS PART NO.	ENGINEERING DWG NO.
MS24538-1	8376490

P.A. Other Cust	ARMY-AT  AF-99 NAVY-YD	TITLE <b>TRANSMITTER, PRESSURE - 24 VOLT DC 60 PSI</b>	<b>MILITARY STANDARD</b> <b>MS 24538</b>
PROCUREMENT SPECIFICATION MIL-I-10986	SUPERSEDES:	SHEET   OF	

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.  
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