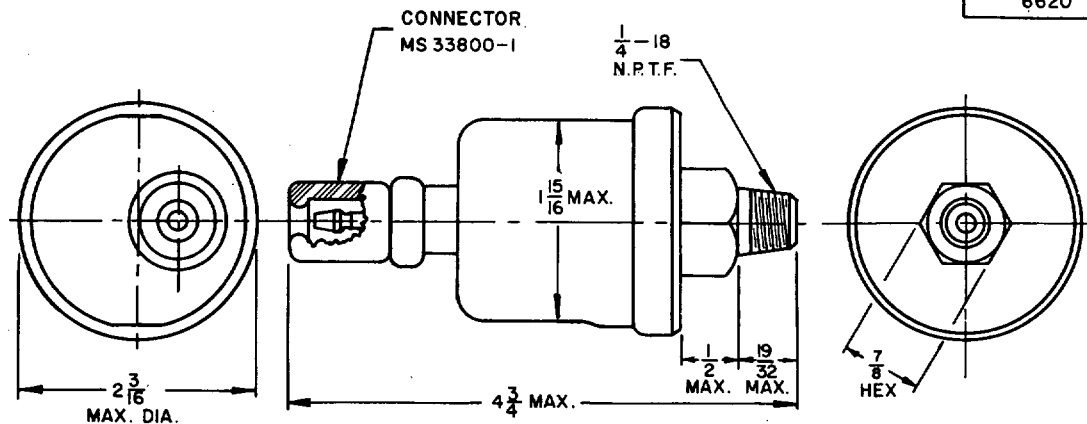


FED. SUP CLASS  
6620

CALIBRATION DATA

PRESSURE (LB PER SQUARE INCH)	RESISTANCE (OHMS)
0	0 TO 1.0
10	2.0 TO 3.5
20	4.5 TO 6.0
30	7.0 TO 8.5
40	9.0 TO 11.0
50	11.5 TO 13.5
60	14.0 TO 16.0
70	16.5 TO 18.5
80	18.5 TO 21.0
90	21.0 TO 23.5
100	23.0 TO 26.0
110	25.5 TO 28.5
120	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 - 120 PSI WHEN CONNECTED TO THE ASSOCIATED INDICATOR, MS24540.
  - CALIBRATION DATA IS REQUIRED FOR INITIAL CALIBRATION PURPOSES. WHEN CALIBRATION IS REQUIRED DURING A TEST OR SUBSEQUENT TO A TEST, THEN CALIBRATE AT 0, 20, 70, AND 120 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.
MS24539-1	8376928

P.A. Other Cust	ARMY-AT	TITLE	MILITARY STANDARD
	AF-99 NAVY-YD	TRANSMITTER, PRESSURE— 24 VOLT DC 120 PSI	MS 24539
PROCUREMENT SPECIFICATION MIL-I-10986	SUPERSEDES:		SHEET 1 OF 1

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DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

6620-0391

APPROVED 27 OCTOBER 1958 REVISED (A) 4 JAN 1962 (B) 12 JUNE 1968 (C) 23 DEC 1980 (D) 24 OCT 85