

INCH-POUND

MS28131H
12 January 2012
SUPERSEDING
MS28131G
29 November 1978

DETAIL SPECIFICATION SHEET

TRANSMITTER, PRESSURE, SYNCHRO, AIRCRAFT 320 DEGREE MOVEMENT,
HIGH TEMPERATURE (177 DEG C) GENERAL PURPOSE

Inactive for new design after 10 August 1999.

This specification is approved for use by all Departments and Agencies of the Department of Defense.

Comments, suggestions, or questions on this document should be addressed to DLA Aviation VEB, 8000 Jefferson Davis Highway, Richmond, VA 23297-5616, or e-mailed to STDZNMGT@dla.mil. Since contact information can change, you may want to verify the currency of this address information using the ASSIST database at <https://assist.daps.dla.mil/>.

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TABLE I. Transmitter pressure ranges.

DASH NO.	NAME	L	MARKING IDENTIFICATION (NOTE 1) FOR AREAS:			BOSSES OR FITTING ENDS REQUIRED FOR AREAS:		
			A	B	C* (NOT SHOWN)	A	B	C*
-1T	0-10 PSI DIFFERENTIAL PRESS.	4.812	P ₁	P ₂	-	SAE-AS5202-04 **	SAE-AS5202-04 **	-
-2T	0-10 PSI GAGE PRESS.		P	V	-			-
-3T	0-25 PSI DIFFERENTIAL PRESS.		P ₁	P ₂	-			-
-4T	0-25 PSI GAGE PRESS.		P	V	-			-
-5T	0-50 PSI DIFFERENTIAL PRESS.		P ₁	P ₂	-			-
-6T	0-50 PSI GAGE PRESS.		P	V	-			-
-7T	0-100 PSI DIFFERENTIAL PRESS.		P ₁	P ₂	-			-
-8T	0-100 PSI GAGE PRESS.		P	V	-			-
-9T	0-250 PSI DIFFERENTIAL PRESS.		P ₁	P ₂	CPR			***
-10T	0-250 PSI GAGE PRESS.		P	V & CPR	-			-
-11T	0-300 PSI DIFFERENTIAL PRESS.		P ₁	P ₂	CPR			***
-12T	0-300 PSI GAGE PRESS.		P	V & CPR	-			-
-13T	0-500 PSI DIFFERENTIAL PRESS.		P ₁	P ₂	CPR			***
-14T	0-500 PSI GAGE PRESS.		P	V & CPR	-			-
-15T	0-1000 PSI GAGE PRESSURE		P	V & CPR	-		-	-
-16T	0-1000 APPROXIMATE GAGE PRESS.		P	-	CPR		-	***
-17T	0-2500 APPROXIMATE GAGE PRESS.		P	-	CPR		-	***
-18T	0-5000 APPROXIMATE GAGE PRESS.		P	-	CPR		SAE-AS5202-04 **	***
-19T	0-150 PSI DIFFERENTIAL PRESS.		P ₁	P ₂	CPR			***
-20T	0-150 PSI GAGE PRESS.		P	V & CPR	-			-
-21T	0-200 PSI DIFFERENTIAL PRESS.		P ₁	P ₂	CPR			***
-22T	0-200 PSI GAGE PRESS.		P	V & CPR	-			-

* LOCATION OPTIONAL ON BACK PLATE.

** SAE-AS5202-04 EXCEPT THREADS SHALL BE .437-20UNF-3B AND "C" DIMENSION NEED NOT BE CONFORMED TO.

*** SAE-AS4395E2 EXCEPT THREADS SHALL BE .312-24UNF-3A

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NOTES

1. MARKING SHALL BE RAISED .030 MINIMUM AND PAINTED TO CONTRAST. SUBSTITUTE THE PROPER IDENTIFICATION FOR (A) AND (B) AS LISTED IN TABLE I. IF A “C” CONNECTION IS REQUIRED, IT SHALL BE IDENTIFIED BY “CPR”.
2. ZERO ADJUSTMENT PROTECTION SHALL BE TO THE CASE AND ACCESS TO OR OPERATION OF THE ADJUSTMENT MECHANISM SHALL NOT REQUIRE DETACHMENT OF PARTS. LOCKWIRING IS PERMISSIBLE PROVIDED IT IS INTENDED PRIMARILY TO DISCOURAGE UNAUTHORIZED ADJUSTMENT AND IS NOT THE SOLE MEANS OF PREVENTING MOVEMENT DURING TRANSMITTER USAGE.
3. DIMENSIONS ARE IN INCHES.
4. METRIC EQUIVALENT S (TO THE NEAREST .01mm) ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH ~ 25.4mm.
5. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BIDS OR REQUEST FOR PROPOSAL EXCEPT THAT REFERENCED ADOPTED INDUSTRY DOCUMENTS SHALL GIVE THE DATE OF THE ISSUE ADOPTED.
6. FOR DESIGN FEATURE PURPOSES, THE STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.

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CHANGES FROM PREVIOUS ISSUE. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Custodians:

Army - AV

Navy - AS

Air Force - 11

Preparing Activity:

DLA – GS1

(Project 6620-2012-001)

Review Activities:

Navy - CG

Air Force - 99

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST database at <https://assist.daps.dla.mil/>.