

## DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

### CALIBRATION PROCEDURE FOR: FLIGHT LINE ANALYZER AN/ASM-80

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#### Section I. GENERAL

**1. Purpose and Scope.** *a.* This bulletin provides information for the periodic calibration of Flight Line Analyzer AN/ASM-80 (fig. 1 and fig. 2) and is used by maintenance calibration personnel. Since maintenance calibration personnel are trained and qualified in the use of calibration test and measuring equipment, detailed instructions concerning the operation and use of these equipments are not contained in this bulletin.

*b.* This bulletin contains illustrations that locate all controls and components utilized in this calibration procedure as well as diagrams showing equipment setups. Equipment ground connections are not necessarily shown in the diagrams.

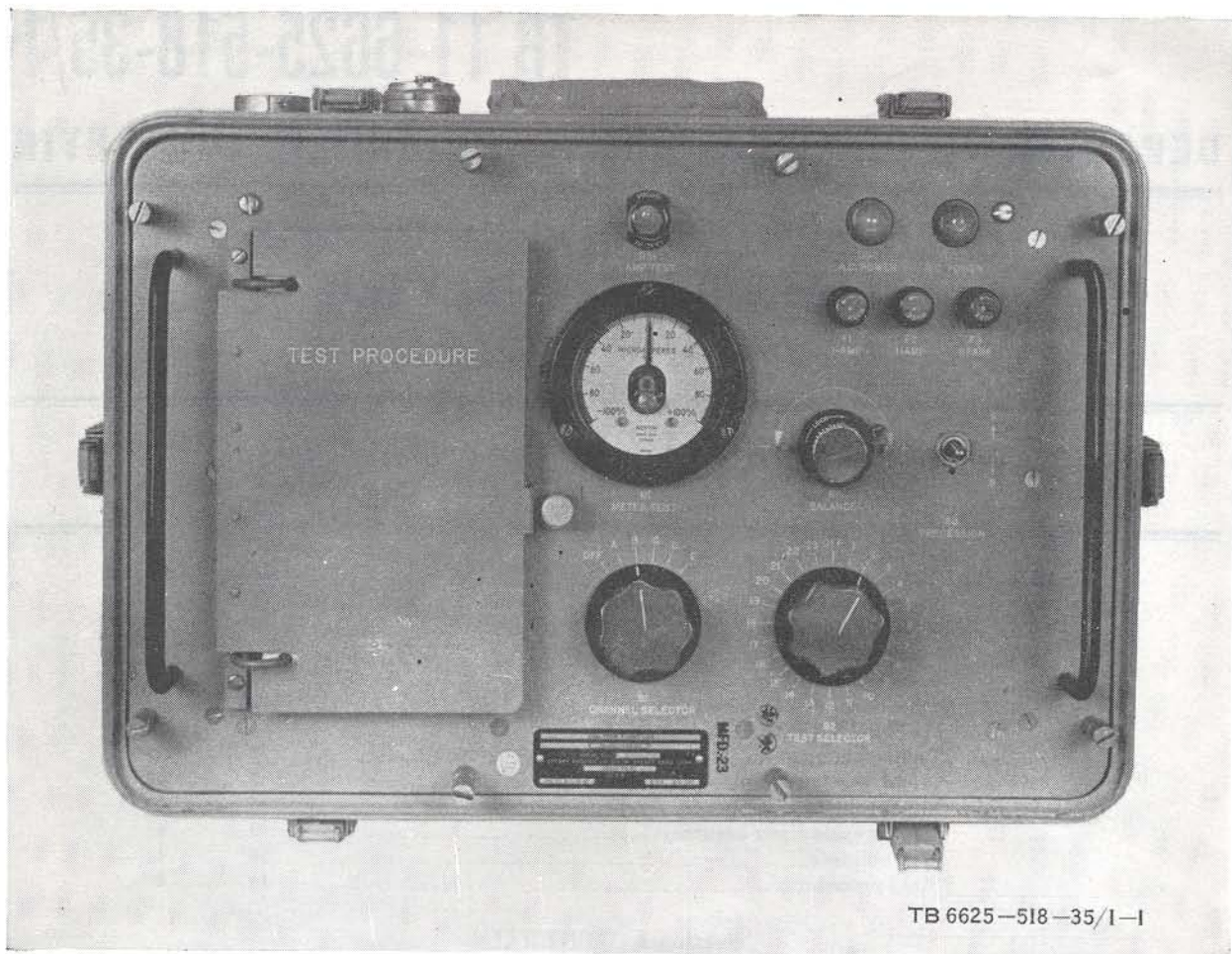
**2. Reporting of Technical Bulletin Improvements.** The direct reporting by the individual user of errors, omissions, and recommendations for improving this technical bulletin is authorized and encouraged. DA Form 2028 (Recommended

Changes to DA Publications) to report improvement recommendations. Complete this form using pencil, pen, or typewriter and forward directly to: Commanding General, U.S. Army Electronics Command, ATTN: AMSEL-MR-NMP-AD, Fort Monmouth, N.J. 07703.

**3. Description.** Flight Line Analyzer AN/ASM-80 is a special-purpose instrument used to provide in-aircraft testing of Automatic Flight Control System AN/ASW-12(V). Additional data is listed in *a* through *c* below.

#### *a. Identification.*

|                           |                                                            |
|---------------------------|------------------------------------------------------------|
| Nomenclature.....         | FLIGHT LINE ANALYZER AN/ASM-80.                            |
| Federal stock number..... | 6625-987-9382.                                             |
| Line item number.....     | A55704.                                                    |
| Size.....                 | 10 $\frac{3}{4}$ x 13 $\frac{3}{8}$ x 19 $\frac{1}{4}$ in. |
| Accessory case.....       | 17 x 7 x 14 in.                                            |
| Weight.....               | 47 lbs.                                                    |
| Reference.....            | TM 11-6625-518-12, TM 11-6625-518-45.                      |



TB 6625-518-35/1-1

Figure 1. Flight Line Analyzer, TS-1910/ASM-80—front panel view.

#### b. Specifications.

|                                       |                                                            |
|---------------------------------------|------------------------------------------------------------|
| Input requirements <sup>1</sup> ----- | 27 vdc at 0.5 ampere, 115 vac, 400 cps, single phase.      |
| Meter-----                            | 50 to 0 to 50 $\mu$ dc, $\pm 10\%$ of full-scale accuracy. |
| Repeat cycle timer-----               | 4 seconds $\pm 0.5$ seconds accuracy.                      |
| Output signals-----                   | Various ac and dc voltages dependent upon test setup.      |

<sup>1</sup> These specifications are for information only and are not necessarily verified in this procedure.

#### c. Program Data.

|                                |                  |
|--------------------------------|------------------|
| Time required for calibration. | 1 hour (approx). |
| Calibration level-----         | Maintenance.     |

**4. General Instructions.** a. *Calibration Reporting.* During the performance of this pro-

cedure, annotate DA Form 2407 (Maintenance Request) in accordance with TM 38-750.

b. *Frequency of Calibration.* The maximum time permitted between calibration checks for Flight Line Analyzer AN/ASM-80 is contained in TB 11-6625-692-15/1.

c. *Reporting Requirements.* Report accomplishment of maintenance level calibration only when required as instructed in TB 11-6625-692-15/1.

d. *Unit Under Test.* Flight Line Analyzer AN/ASM-80 will be referred to as "unit under test."

e. *Removal.* Do not remove the unit under test from its protective case unless necessitated by equipment connections and/or components to be adjusted which are not accessible from external ports provided on the unit under test.

**5. Differences Among Models.** None.