

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

CALIBRATION PROCEDURE FOR TELEPHONE TEST SET AN/PTM-7 INCLUDING TS-1323/PT (NSN 6625-00-902-7574)

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SECTION I IDENTIFICATION AND DESCRIPTION

1-1. Test Instrument Identification. This bulletin provides instructions for the calibration of Telephone Test Set AN/PTM-7 including TS-1323/PT. TM 11-6625-648-12 and TM 11-6625-648-45 were used as the prime data source in compiling these instructions. The equipment being calibrated will be referred to as the "TI" (test instrument) throughout this bulletin.

a. Model Variations. None.

b. Time and Technique. The time required for this calibration is approximately 1 hour, using the dc and low frequency technique.

1-2. Calibration Data Card (DA Form 2416).

a. Forms, records, and reports required for

calibration personnel at all levels are prescribed by TM 38-750. DA Form 2416 must be annotated in accordance with TM 38-750 for each calibration performed.

b. Adjustments to be reported on DA Form 2416 are designated (R) at the end of the sentence in which they appear. When adjustments are in tables, the (R) will follow the designated adjustment. Report only those adjustments performed and designated with (R).

1-3. Calibration Description. TI parameters and performance specifications which pertain to this calibration are listed in table 1-1.

Table 1-1. Calibration Description

Test instrument parameters	Performance specifications
Test Metro Current range Accuracy Resistance* Dial marking	0 to 100 microampere ± 5% 2100 ohms ±20% 0 to 10
PCM* Impedence (input and output) Input amplitude Output amplitude Pulse type Pulse rate Pulse width	62 ohms 30 mv, pp maximum 10 mn, pp minimum 2v peak Binary dipulse 230 kHz maximum 205 ns
Order wire* Impedence (input and output) Frequency response Signaling frequency Transmit level Voltage measurements	62 ohms 300 to 1,000 Hz 1,600 Hz 50 to 270 uv -7.5 vdc and +4.5 vdc
Bridge measurement: Range (dial marking) Dial increment Absolute accuracy	0 to 6,000 ft. (0-6) 500 ft. ± 4%
Operating temperature: Range* Normal test	-20° to 125°F. 75°F.

*This specification is for information only and is not necessarily verified in this bulletin.