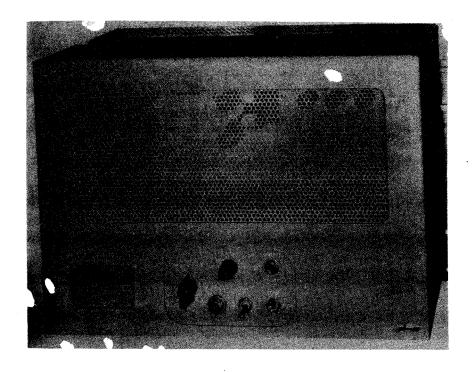
28 May 1962		TELEGRAPH TEST SET AN/FGM-1
Cog Service:	FSN:	Functional Class:
	USA	USN USAF

TYPE CLASS:

MANUFACTURER'S NAME/CODE NUMBER: Stelma Incorporated.



Telegraph Test Set AN/FGN-1

FUNCTIONAL DESCRIPTION:

Telegraph Test Set AN/FGM-1 electronically generates undistorted 7.42 baudot code telegraph characters (in an 88-character test mes\$age) at 60, 75, or 100 words per minute, for use in performance checks and maintenance of wire and radio-teletype circuits and equipments.

The 88-character test message (standard "fox" sentence preceded by three call letters and followed by numerals) is stored in a plug-in relay unit.

Terminals are provided to allow the use of remote control to start and stop the message. No field changes in effect at time of preparation (21 July 1961).

TECHNICAL CHARACTERISTICS:

TEST MESSAGE GENERATED: - NPG-THE-QUICK-BROWN-FOX-JUMPED-OVER-THE-LAZY-DOG TS-BACKT-1234567890<<<<<<((Max. of 88 characters).

AN/FGM-I TELEGRAPH TEST SET

OUTPUT CIRCUIT: Neutral, keying relay (battery supplied from external source).

OPERATING SPEEDS: 60, 75, 100 wpm; 7.42 unit intervals per character.

OUTPUT DISTORTION: Less than 2% marking or spacing bias distortion.

OPERATOR LOCATION: Local or remote (terminals are provided for remote switch connection).

POWER REQUIREMENTS: Approx. 125 W, 115 v porm 10%, 50 to 60 cyc, single ph.

RELATION TO OTHER EQUIPMENT:

This equipment is the same as Telegraph Test Set AN/FGM-2, AN/FGM-3, and AN/FGM-4, except that the test messages differ.

EQUIPMENT REQUIRED BUT NOT SUPPLIED: None.

MAJOR COMPONENTS

QTY	ITEM	STOCK NUMBERS	DIMENSIONS (INCHES)	WEIGHT (LBS)
1	Telegraph Test Set AN/FGM-1 includes:		9 x 12 x 19	17
5	Telegraph Distribution Panel CBVV-TDP-1		4 × 5-1/4 × 19	8
80	Electronic Relay CBVV-ER-17		$1-1/2 \times 1-1/2 \times 3-1/4$	

REFERENCE DATA AND LITERATURE:

NAVSHIPS 94048: Technical Manual for Telegraph Test Set AN/FGM-1.

TUBE, CRYSTAL AND/OR SEMI-CONDUCTOR DATA:

TUBES: (1) 082 (15) 5696 (1) 5881 (8) 5963 (1) 5V4GA (1) 6AU6

CRYSTALS: None used.

SEMI-CONDUCTORS: (69) 11SD1034 (3) 11S101037

SHIPPING DATA

PKGS VOLUME (CU FT) WEIGHT (LBS)

PROCUREMENT DATA

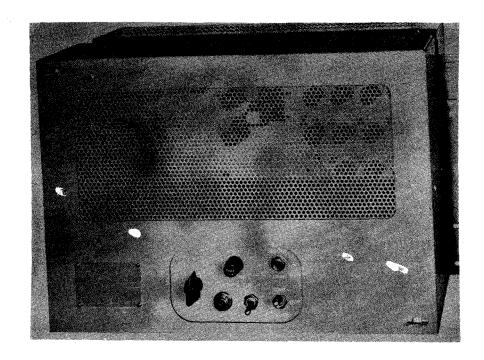
PROCURING SERVICE: DESIGN COG: USN, BuShips SPEC &/OR DWG: APPROX. LOCATION CONTRACT OR CONTRACTOR ORDER NO. UNIT COST NObsr-81076, \$7,682.35 Stamford, Conn. Stelma Inc. Model no. EDU-100-75 3 February 1960 (NPG sends)

4.12 AN/FGM-1: 2

II June 1962		TELEGRAPH TEST SET AN/FGM-2
Cog Service:	FSN:	Functional Class:
	USA	USN USAF

TYPE CLASS:

MANUFACTURER'S NAME/CODE NUMBER: Stelma Incorporated.



Telegraph Test Set AN/FGM-2

FUNCTIONAL DESCRIPTION:

Telegraph Test Set AN/FGM-2 electronically generates undistorted 7.42 baudot code telegraph characters (in an 88-character test message) at 60, 75, or 100 words per minute, for use in performance checks and maintenance of wire and radio-teletype circuits and equipments.

The 88-character test message (standard "fox" sentence preceded by three call letters and followed by numerals) is stored in a plug-in relay unit.

Terminals are provided to allow the use of remote control to start and stop the message. No field changes in effect at time of preparation (21 July 1961).

TECHNICAL CHARACTERISTICS:

TEST MESSAGE GENERATED: <= ♥ NPM>THE>QUICK>BROWN>FOX>JUMPED>OVER>THE>LAZY>DOG + ♥S>BACK +> 1234567890<<<<<<<< (max of 88 characters).

AN/FGM-2 TELEGRAPH TEST SET

OUTPUT CIRCUIT: Neutral, keying relay (battery supplied from external source).

OPERATING SPEEDS: 60, 75, 100 wpm; 7.42 unit intervals per character.

OUTPUT DISTORTION: Less than 2% marking or spacing bias distortion.

OPERATOR LOCATION: Local or remote (terminals are provided for remote switch connection).

POWER REQUIREMENTS: Approx. 125 W, 115 v porm 10%, 50 to 60 cyc, single ph.

RELATION TO OTHER EQUIPMENT:

This equipment is the same as Telegraph Test Set AN/FGM-1, AN/FGM-3, and AN/FGM-4, except that the test messages differ.

EQUIPMENT REQUIRED BUT NOT SUPPLIED: None.

MAJOR COMPONENTS

QTY	ITEM	STOCK NUMBERS	DIMENSIONS (INCHES)	WEIGHT (LBS)
1	Telegraph Test Set AN/FGM-2 includes:		9 x 12 x 19	17
5	Telegraph Distribution Panel CBVV-TDP-1		4 × 5-1/4 × 19	8
80	Electronic Relay CBVV-ER-17		$1-1/2 \times 1-1/2 \times 3-1/4$	

REFERENCE DATA AND LITERATURE:

NAVSHIPS 94050: Technical Manual for Telegraph Test Set AN/FGM-2.

TUBE, CRYSTAL AND/OR SEMI-CONDUCTOR DATA:

TUBES: (1) 082 (15) 5696 (1) 5881 (8) 5963 (1) 5V4GA (1) 6AU6

CRYSTALS: None used.

SEMI-CONDUCTORS: (69) 11SD1034 (3) 11S101037

SHIPPING DATA

PKGS VOLUME (CU FT) WEIGHT (LBS)

PROCUREMENT DATA

PROCURING SERVICE:

SPEC &/OR DWG:

DESIGN COG: USN, BuShips

4.12 AN/FGM-2: 2

, -		TELEGRAPH TES	SET AN/FGM-2
CONTRACTOR	LOCAT I ON	CONTRACT OR ORDER NO.	APPROX. Unit cost
Stelma Incorporated Model no. EDU-100-75 (NPM sends)	Stamford, Connecticut	NObsr-81076, 3 February 1960	\$7,701.85

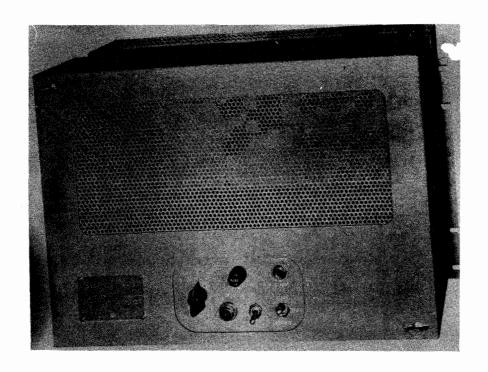
13 April 1962

Cog Service: FSN: Functional Class:

USA USN USAF

TYPE CLASS:

MANUFACTURER'S NAME/CODE NUMBER: Stelma Inc.



Telegraph Test Set AN/FGM-3

FUNCTIONAL DESCRIPTION:

Telegraph Test Set AN/FGM-3 electronically generates undistorted 7.42 baudot code telegraph characters (in an 88-character test message) at 60, 75, or 100 words per minute, for use in performance checks and maintenance of wire and radio-teletype circuits and equipments.

The 88-character test message (standard "fox" sentence preceded by three call letters and followed by numerals) is stored in a plug-in relay unit.

Terminals are provided to allow the use of remote control to start and stop the message. No field changes in effect at time of preparation (21 July 1961).

TECHNICAL CHARACTERISTICS:

TEST MESSAGE GENERATED: <= ▼NSS>THE>QUICK>BROWN>FOX>JUMPED>OVER>THE>LAZY>DOG ↑ ▼S>BACK № 123456
7890<<<<<<((max. of 88 characters).

OUTPUT CIRCUIT: Neutral, keying relay (battery supplied from external source)

4.12 AN/FGM-3: 1

AN/FGM-3 TELEGRAPH TEST SET

OPERATING SPEEDS: 60, 75, 100 wpm; 7.42 unit intervals per character.

OUTPUT DISTORTION: Less than 2% marking or spacing bias distortion.

OPERATOR LOCATION: Local or remote (terminals are provided for remote switch connection).

POWER REQUIREMENTS: Approx. 125 W, 115 v porm 10%, 50 to 60 cyc, single ph.

RELATION TO OTHER EQUIPMENT:

This equipment is the same as Telegraph Test Set AN/FGM-1, AN/FGM-2, and AN/FGM-4, except that the test messages differ.

EQUIPMENT REQUIRED BUT NOT SUPPLIED: None.

MAJOR COMPONENTS

QTY	ITEM	STOCK NUMBERS	DIMENSIONS (INCHES)	WEIGHT (LBS)
1,	Telegraph Test Set AN/FGM-3 includes:		9 x 12 x 19	17
5	Telegraph Distribution Panel CBVV—TDP—1		4 × 5-1/4 × 19	8
80	Electronic Relay CBVV-ER-17		1-1/2 × 1-1/2 × 3-1/4	

REFERENCE DATA AND LITERATURE:

NAVSHIPS 94052: Technical Manual for Telegraph Test Set AN/FGM-3.

TUBE, CRYSTAL AND/OR SEMI-CONDUCTOR DATA:

TUBES: (1) OB2 (15) 5696 (1) 5881 (8) 5963. (1) 574GA (1) 6AU6

CRYSTALS: None used.

SEMI-CONDUCTORS: (69) 11SD1034 (3) 11SD101037

SHIPPING DATA

PKGS VOLUME (CU FT) WEIGHT (LBS)

PROCUREMENT DATA

PROCURING SERVICE:

SPEC &/OR DWG:

DESIGN COG: USN, BuShips

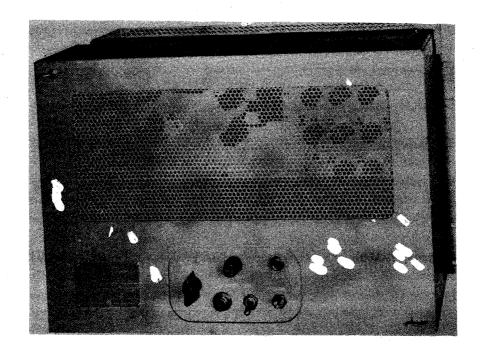
4.12 AN/FGM-3: 2

		TELEGRAPH TEST SET AN/FGM-3	
CONTRACTOR	LOCATION	CONTRACT OR ORDER NO.	APPROX. Unit cost
Stelma Inc. Model no. EDU-100-75 (NSS sends)	Stamford, Conn.	NObsr-81076, 3 February 1960	\$7,682.35

13 April 1962 Cog Service:	FSN:	TELEGRAPH TEST SET AN/FGM-4 Functional Class:		
·	USA	USN	<u>USAF</u>	

TYPE CLASS:

MANUFACTURER'S NAME/CODE NUMBER: Stelma Inc.



Telegraph Test Set AN/FGM-4

FUNCTIONAL DESCRIPTION:

Telegraph Test Set AN/FGM-4 electronically generates undistorted 7.42 baudot code telegraph characters (in an 88-character test message) at 60, 75, or 100 words per minute, for use in performance checks and maintenance of wire and radio-teletype circuits and equipments.

The 88-character test message (standard "fox" sentence preceded by three call letters and followed by numerals) is stored in a plug-in relay unit.

Terminals are provided to allow the use of remote control to start and stop the message. No field changes in effect at time of preparation (21 July 1961).

TECHNICAL CHARACTERISTICS:

TEST MESSAGE GENERATED: <=♥NPO>THE>QUICK>BROWN>FOX>JUMPED>OVER>THE>LAZY>DOGA'♥S>BACK4>123456 7890 <<< << (max. of 88 characters).

OUTPUT CIRCUIT: Neutral, keying relay (battery supplied from external source).

AN/FGM-4 TELEGRAPH TEST SET

OPERATING SPEEDS: 60, 75, 100 wpm; 7.42 unit intervals per character. OUTPUT DISTORTION: Less than 2% marking or spacing bias distortion.

OPERATOR LOCATION: Local or remote (terminals are provided for remote switch connection).

POWER REQUIREMENTS: Approx. 125 W, 115 v porm 10%, 50 to 60 cyc, single ph.

RELATION TO OTHER EQUIPMENT:

This equipment is the same as Telegraph Test Set AN/FGM-1, AN/FGM-2, and AN/FGM-3, except that the test messages differ.

EQUIPMENT REQUIRED BUT NOT SUPPLIED: None.

MAJOR COMPONENTS

QTY	ITEM	STOCK NUMBERS	DIMENSIONS (INCHES)	WEIGHT (LBS)
1	Telegraph Test Set AN/FGM-4 includes:		9 x 12 x 19	17
5	Telegraph Distribution Panel CBVV-TDP-1		4 x 5-1/4 x 19	8
80	Electronic Relay CBVV—ER—17		1-1/2 × 1-1/2 × 3-1/4	

REFERENCE DATA AND LITERATURE:

NAVSHIPS 94054: Technical Manual for Telegraph Test Set AN/FGM-4.

TUBE, CRYSTAL AND/OR SEMI-CONDUCTOR DATA:

TUBES: (1) 0B2 (15) 5696 (1) 5881 (8) 5963 (1) 5V4GA (1) 6AU6

CRYSTALS: None used.

SEMI-CONDUCTORS: (69) 11SD1034 (3) 11S101037

SHIPPING DATA

PKGS VOLUME (CU FT) WEIGHT (LBS)

PROCUREMENT DATA

PROCURING SERVICE:

SPEC &/OR DWG:

DESIGN COG: USN, BuShips

4.12 AN/FGM-4: 2

		TELEGRAPH TES	T SET AN/FGM-4
CONTRACTOR	LOCATION	CONTRACT OR ORDER NO.	APPROX. UNIT COST
Stelma Inc. Model no. EDU-100-75 (NPO sends)	Stamford, Conn.	NObsr-81076, 3 February 1960	\$7,701.87