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7 September 1967
Cog Service: USN FSN:

RECORDER-REPRODUCER SET, SIGNAL DATA AN/FSH-5
Functional Class:

USA

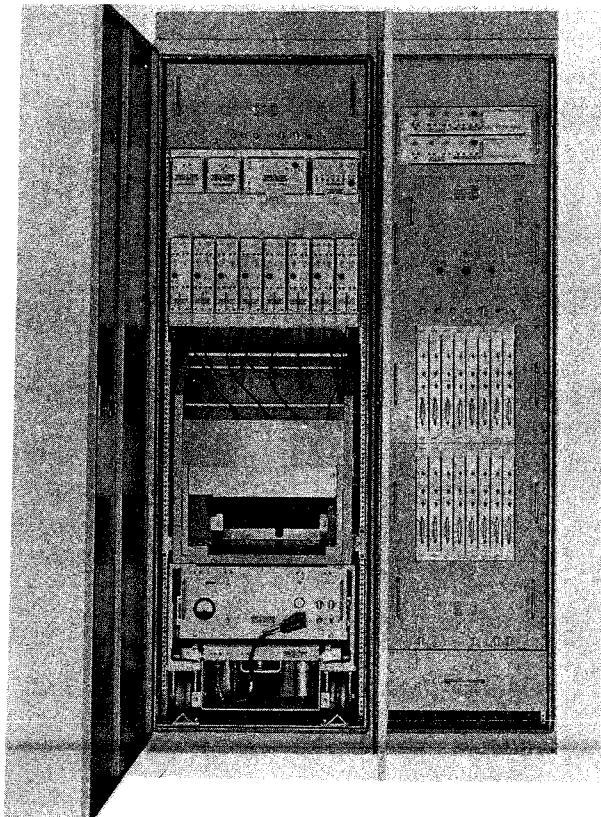
USN

USAF

TYPE CLASS:

Used by

MANUFACTURER'S NAME/CODE NUMBER: Kenton Engineering Corp., (18308).



RECORDER-REPRODUCER SET, SIGNAL DATA AN/FSH-5

FUNCTIONAL DESCRIPTION:

Recorder-Reproducer Set, Signal Data, AN/FSH-5, is a remotely-controlled 16 channel recorder-reproducer, dub-off analog drum type. Each channel may store 2 to 7-1/3 seconds of data upon command. Data may be reproduced many times for measurements. The set includes erase-while-recording provisions.

No field changes in effect at time of preparation (10 May 1967).

RELATION TO OTHER EQUIPMENT: None.

EQUIPMENT REQUIRED BUT NOT SUPPLIED: None.

TECHNICAL CHARACTERISTICS:

POWER REQUIREMENTS: 105 v to 125 v \pm 5%, ac, 1 ph, 50 to 60 cyc \pm 5%, 215 to 460 W.

1.2 AN/FSH-5: 1

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RECORDER-REPRODUCER SET, SIGNAL DATA AN/FSH-5

RECORDING TYPE: Magnetic.
RECORDING MEDIUM: Belt type, 2-3/8 in. w.
SOURCE IMPEDANCE: 50 ohms and 125 ohms.
RECORDING SPEED: 90 rpm.
PRINCIPAL DATA BAND: 35 to 95 kc (within this band signals recorded at 1% 3rd harmonic level are at least 60 db above noise level in a/kc band on an erased track.
FLUTTER AND TIME DISPLACEMENT ERROR PERFORMANCE
FLUTTER: Less than .05% P-P at 0 to 30 cps.
DISPLACEMENT ERROR PERFORMANCE: Less than ± 30 usec.
FREQUENCY RESPONSE: Up to 130 kc (at reduced signal to noise ratio).
REPRODUCE PRE-AMPLIFIERS: 16.
OUTPUT PROCESSORS: 2.

MAJOR COMPONENTS

QTY	ITEM	DIMENSIONS (INCHES)	WEIGHT (LBS)
1	Recorder-Reproducer Set, Signal Data AN/FSH-5, includes:		
1	Output-Control Group OK-42/FSH-5	21-1/16 x 25-1/2 x 84	600
1	Input-Record-Reproduce Group OL-11/FSH-5	25-1/2 x 26-1/8 x 84	1100

REFERENCE DATA AND LITERATURE:

Manuscript sheets for Recorder-Reproducer, Signal Data AN/FSH-5.

SHIPPING DATA

PKGS	VOLUME (CU FT)	WEIGHT (LBS)
1	6.3	750
1	8.7	840
1	8.7	790

PROCUREMENT DATA

PROCURING SERVICE: USN
SPEC &/OR DWG: SHIPS-R-4983

DESIGN COG: USN, NavShip

CONTRACTOR	LOCATION	CONTRACT OR ORDER NO.	APPROX. UNIT COST
Kenton Engineering Corp.	Skokie, Ill.	N0bsr 95177	