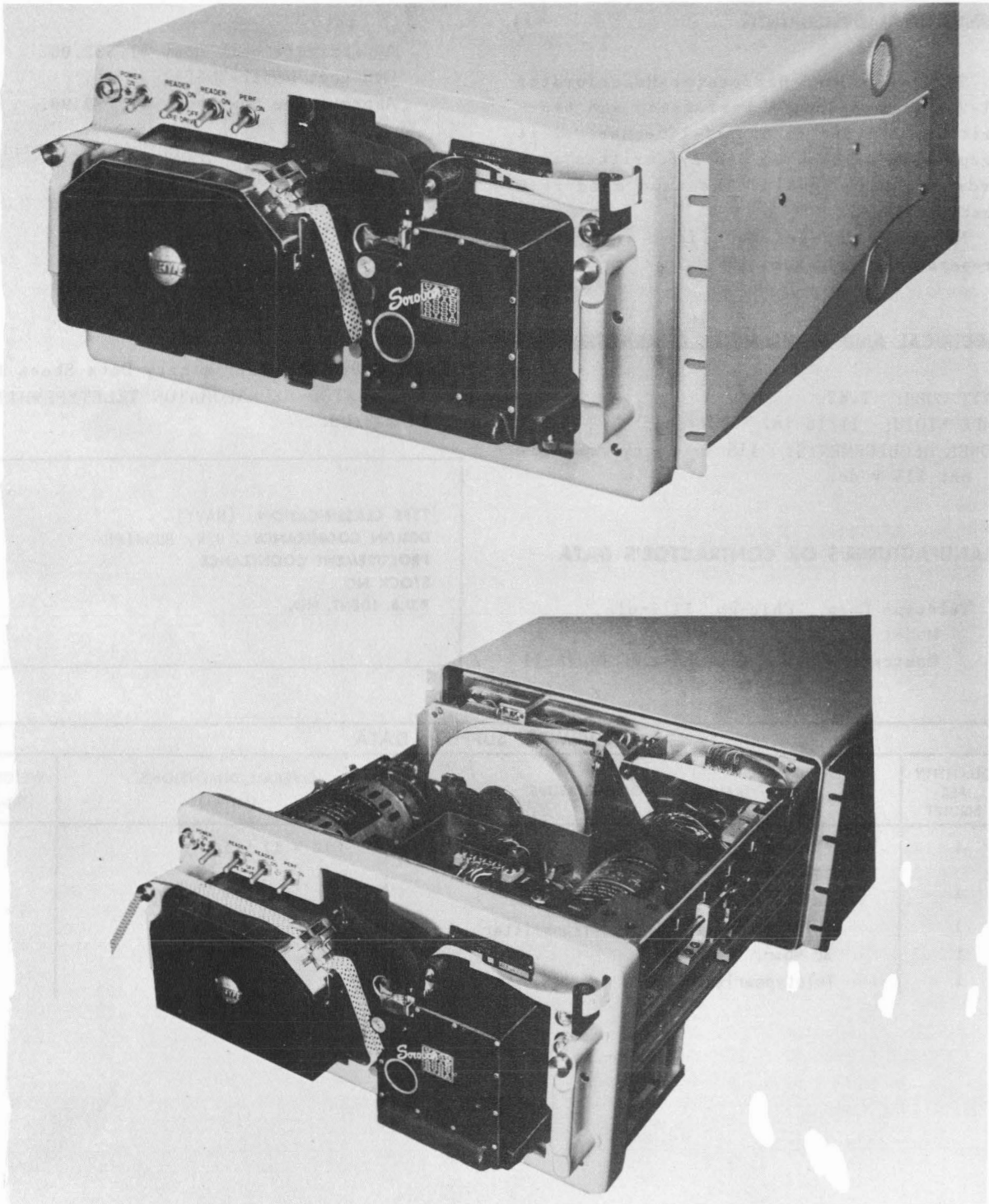


REPERFORATOR DISTRIBUTOR-TRANSMITTER TT-268/UG



Reperforator Distributor-Transmitter TT-268/UG

TT-268/UG REPERFORATOR DISTRIBUTOR-TRANSMITTER

FUNCTIONAL DESCRIPTION

Reperforator Distributor-Transmitter TT-268/UG is used to receive high speed teletype information and to punch this information into paper tape at a very high speed. This taped information is converted at a lower speed into an electrical signal which is then applied to a standard teletype printer. The perforator-reader serves two basic purposes: It makes a permanent record of the incoming information, and it feeds this information to other components at a rate and in a form in which it can be further processed.

No field changes in effect at time of preparation (14 October 1960).

EQUIPMENT REQUIRED BUT NOT SUPPLIED

(1) Vacuum Tube Voltmeter RCA WV-98A; (1) Oscilloscope Tektronix Model 535 or 545, (1) Technical Manual NAVSHIPS 92733, (1) 6 inch Precision Scale.

ELECTRICAL AND MECHANICAL CHARACTERISTICS

PERFORATOR

INPUT POWER: 94.5 to 137.5 v, 60 cyc, single ph, 3.5 amp.

PUNCH SIGNAL CHARACTERISTICS (INPUT)

KIND OF SIGNAL: 5-hole teletype code, 5 codes in parallel.

PULSE AMPLITUDE: 85 to 110 ma, 400 v max. peak.

PULSE WIDTH: 2.25 milliseconds approx.
SPEED: 2400 wpm.

CIRCUIT IMPEDANCE: 150 to 300 mh, 250 ohms each code coil.

FEED SIGNAL CHARACTERISTICS

FEED SIGNAL: 120 to 160 ma, 400 v max peak, dc or pulse 4.16 milliseconds wide.

FEED COIL: 500 to 1000 mh, 240 ohms.
FEED RESET SIGNAL: 40 to 110 ma, 400

v max peak, dc or pulse 4.16 milliseconds wide.

FEED RESET COIL: 50 to 100 mh, 130 ohms.

SYNCHRONIZATION SIGNAL: Pos. and neg. pulses of min 2 v peak, 1/4 millisecond wide, 1.9 millisecond spacing pos. to neg., 2.25 millisecond spacing neg. to pos., 400 ohms source impedance.

DRIVING MOTOR

TYPE: Hysteresis synchronous.

HORSEPOWER: 1/6

SPEED: 3600 rpm.

LUBRICATION: Lifetime.

LUBRICATION

TYPE: Splash bath.

SHORT LUBRICATING INTERVAL: Weekly.

ACCURACY

TAPE TRANSPORT: Porm 0.005 in. in six inches of punched tape.

SIGNAL HANDLING: Nominal 100%.

READER

INPUT POWER: 115 v, 60 cyc, single ph, 2.0 amp.

PUNCH SIGNAL CHARACTERISTICS (OUTPUT)

KIND OF SIGNAL: 7.5 unit code.

SPEED: 60, 75 or 100 wpm.

DRIVING MOTOR

TYPE: Induction.

HORSEPOWER: 1/20.

SPEED: 3600 rpm.

LUBRICATION: Grease.

LUBRICATION

TYPE: Oil and grease.

SHORTEST LUBRICATING INTERVAL: Six months.

ACCURACY

SIGNAL HANDLING: Nominal 100%.

MANUFACTURER'S OR CONTRACTOR'S DATA

Soroban Engineering Inc, Melbourne, Florida.

Contract NObsr-75232.

Contract NObsr-75587.

REPERFORATOR DISTRIBUTOR-TRANSMITTER

TT-268/UG

TUBE AND/OR CRYSTAL COMPLEMENT

No Electron Tubes or Crystals used.

TYPE CLASSIFICATION (NAVY)
 DESIGN COGNIZANCE USN, BUSHIPS
 PROCUREMENT COGNIZANCE SPEC: SHIPS-P-3058
 STOCK NO.
 R.D.B. IDENT. NO.

REFERENCE DATA AND LITERATURE

NAVSHIPS 93454: Technical Manual for REPERFORATOR DISTRIBUTOR-TRANSMITTER TT-268/UG.

SHIPPING DATA

NUMBER OF BOXES	CONTENTS AND IDENTIFICATION	VOLUME (Cu.Ft.)	OVERALL DIMENSIONS (inches)	WEIGHT PACKED (lbs.)
1	Reperforator Distributor-Transmitter TT-268/UG	16.2	23.0 x 31.75 x 38.38	185
1	Perforator GP-2	1.6	14.75 x 15.75	29

EQUIPMENT SUPPLIED DATA

QUANTITY PER EQUIPT	NAME AND NOMENCLATURE	OVERALL DIMENSIONS (inches)	WEIGHT (lbs.)
1	Reperforator Distributor-Transmitter TT-268/UG		