

RECORDING OUTFIT REP(1) AND REP(3)

REP(1)
REP(3)

SUMMARY OF DATA

PURPOSE

General purpose recording equipment. Outfit REP(3) has a redesigned tape deck but is otherwise similar to Outfit REP(1).

DESCRIPTION

Recording Outfit REP is a four-speed twin-channel solid state transportable tape recorder for high fidelity mono and stereophonic recording and reproduction of sound. It is capable of recording or replaying on both channels simultaneously, or recording on one channel while replaying on the other. Included are facilities for remote control of Start and Stop functions and photo-electrical indication of approaching end of tape.



MAIN SUB-UNITS

5835-99-523-8550	Recorder (REP 3)
5835-99-520-6809	Recorder (REP 1)
AP 65339	Exchange Unit
AP 62636	Rack Stowage Des. 17
AP 62637	Rack Stowage Des. 18

DIMENSIONS

	Height	Width	Depth	Weight
Recorder	25.4 cm 10 in	50.8 cm 20 in	50.8 cm 20 in	44 kg 97 lb
Exchange Unit	15.8 cm 6½ in	25.4 cm 10 in	19.1 cm 7½ in	-
Rack Des. 17	41.2 cm 16½ in	21.6 cm 8½ in	15.2 cm 6 in	-
Rack Des. 18	36.8 cm 14½ in	22.8 cm 9 in	8.8 cm 3½ in	-

ELECTRICAL CHARACTERISTICS

Tape : The magnetic tape used is 0.246 in. (6.25 mm) wide and of the following thicknesses:

Standard	0.002 in (0.05 mm)
Long play	0.0015 in. (0.038 mm)
Extra long play	0.001 in. (0.025 mm)

Recording is on two tracks each of 0.080 in. (2 mm) nominal width

Tape Spool Diameter: : Maximum 8½ in (209.5 mm)
Minimum 3 in (76.3 mm)

Running Time : Tape speeds and running time for a 1200 ft (365 metre) tape are:

15 in/s (38.1 cm/s)	15 minutes
7.5 in/s (19.05 cm/s)	30 minutes
3.75 in/s (9.53 cm/s)	1 hour
1.875 in/s (4.775 cm/s)	2 hours

Input Sensitivity: (a) 600 ohm line input
 (i) when preset to Remote - 1 mW for reference recording level
 (ii) Variable ± 6 dB for reference recording level
 (b) Fixed Microphone Input - either 3 mV r.m.s. into 20 kilohm or
 1 mV r.m.s. into 2 kilohm for a noise cancelling microphone

Output Level: Into 600 ohm.
 (a) When preset to Remote - 1 mW for reference recording level
 (b) Variable - ± 6 dB for reference recording level

Peak Programme Meters (2): When switched to Record or Replay a reading of 0 dB indicates
 reference recording level.

Record/Replay Frequency Response: Using good quality tape
 15 in./s (38.1 cm/s) 40 Hz to 18 kHz ± 3 dB
 7.5 in./s (19.05 cm/s) 40 Hz to 10 kHz ± 3 dB
 3.75 in./s (9.53 cm/s) 40 Hz to 6 kHz ± 3 dB
 1.875 in./s (4.775 cm/s) Adequate speech quality

Wow and Flutter: Measured on r.m.s. reading instrument.
 15 in./s (38.1 cm/s) 0.10%
 7.5 in./s (19.05 cm/s) 0.15%
 3.75 in./s (9.53 cm/s) 0.20%
 1.875 in./s (4.775 cm/s) 0.25%

Signal to Noise Ratio: 50 dB per channel reference maximum recording level

POWER SUPPLY

100-125 V or 200-250 V a.c., 50 or 60 Hz
 Power consumption - Record/Replay 110 W
 Spooling 170 W

HANDBOOK

BR 4141

ESTABLISHMENT LIST

S1607

COMMERCIAL EQUIVALENT

Hartley Electromotives Model TS4301 (Outfit REP(1))

PROCUREMENT SPECIFICATION

ASWE No. 27452

INSTALLATION SPECIFICATION

B1128/PRE.1