

RECORDING OUTFIT RES(1)

SUMMARY OF DATA

RES(1)

PURPOSE

A 4-channel instrumentation recorder for Sonar Aural Recordings and the Data Link System of Link 11 fitted ships. Precision recordings of scientific data can be made under fixed or mobile conditions. Recorder RES is introduced as a replacement for Recorder REP.



BRIEF DESCRIPTION

Two recording modes are available, FM and DR. Any combination of FM and DR channels may be employed, merely by selection of the appropriate plug-in boards. In addition to data recording, voice recordings can be made on Channel 4. A hand-held microphone is provided. Seven tape speeds are available, selected by means of a rotary switch. An integral meter and audio monitoring system allows monitoring of input and output signals and can be used with the built-in calibration system to check the signal electronics.

MAJOR UNITS

5835-99-539-5379	Recorder, Reproducer
5965-99-537-8232	Microphone Assembly
5835-99-539-1177	Tape, Magnetic Recording
5835-99-537-8230	Kit, Rack Mounting
5995-99-537-8231	Cable Assembly, Power Electrical

PHYSICAL DATA

NSN	Description	Height	Width	Depth	Weight
5835-99-539-5379	Recorder, Reproducer	145 mm	482 mm	455 mm	20.5 kg

ELECTRICAL CHARACTERISTICS

Tape	Width: 6.25 mm, Thickness: 18 to 35 μm (AMPEX 797)
Spools	Maximum 178 mm diameter. Maximum capacity 750 m
Heads	4 track in-line
Tape Speeds	60, 30, 15, 7 1/2, 3 3/4, 1 7/8 and 15/16 in/s.
Tape Counter	4-digit resettable counter reading in feet. Accuracy $\pm 1\%$
Signal Monitoring	Meter: Simultaneous positive and negative peak indicating meter
Voice Channel	Channel 4, record by hand-held microphone, will record during replay of other channels.

POWER SUPPLY

115—230 V, 48—400 Hz, 70 VA (Typical)

HANDBOOK

BR 8603

ESTABLISHMENT LIST

S1896

INSTALLATION SPECIFICATION

BR 8603(4A)