

SUMMARY OF DATA

PURPOSE

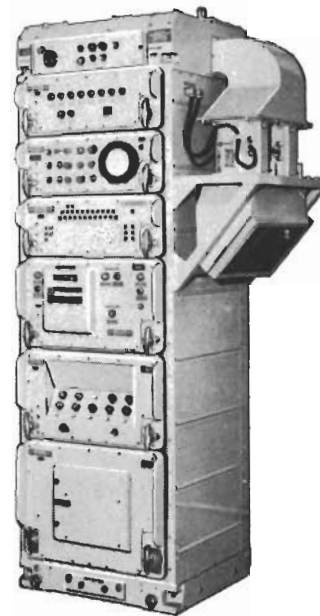
Analysis of the telemetry signals received from an inter-service 24 channel Telemetry Sender fitted in a SEASLUG Missile. The equipment is fitted ashore and converts the magnetic tape record obtained by the ship into a paper chart record which can be used for analysing missile performance.

BRIEF TECHNICAL DESCRIPTION

The ship's magnetic tape record is played back through an identical tape recorder in Outfit MBN. The sub-carrier signal is passed through a frequency discriminator so that the original voltage levels fed into the 24 channel sender switch are recovered. The 24 channels are separated by a de-multiplexing circuit and can be selected as required for recording on paper. This is done by an 8 channel mirror galvanometer which reflects ultra-violet light on to a light sensitive paper, producing a dark trace, the deflection of which is proportional to the telemetered data on the channel.

MAJOR UNITS

Item No.	Pattern No.	
1	5820-AP 16442	Cabinet, Telemetry Playback, Decode and Display
2	5820-AP 164368	Monitor Telemetric Data
3	5820-AP 164888	Power Supply (De-multiplexer)
4	5820-AP 164445	De-multiplexer Telemetric Data
5	5820-AP 164444	Indicator Galvo Recorder
6	5820-AP 164372	Power Supply
7	5820-AP 164370	Recorder Telemetric Data



CABINET, TELEMETRY PLAYBACK DECODE

POWER REQUIREMENTS

115 V 60 Hz single phase 3 A

PHYSICAL DATA

	<u>Height</u>	<u>Depth</u>	<u>Width</u>	<u>Weight</u>
Cabinet, Telemetry Playback, Decode and Display	5 ft 5 in.	2 ft 3 in.	2 ft 10½ in.	410 lb

NOTE: Items 2-7 are contained in Item 1.
The weight of Item 1 is exclusive of drawer assemblies.

HANDBOOK

BR 2299(1)(2)

ESTABLISHMENT LIST

E1372

INSTALLATION SPECIFICATION