

## SUMMARY OF DATA

## PURPOSE

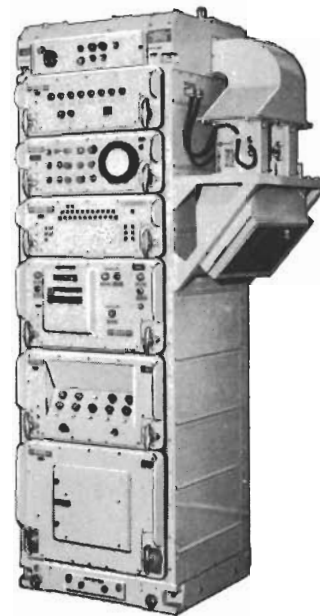
Analysis of the telemetry signals received from an inter-service 24 channel Telemetry Sender fitted in a SEASLUG Missile. The equipment is fitted ashore and converts the magnetic tape record obtained by the ship into a paper chart record which can be used for analysing missile performance.

## 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