

## SUMMARY OF DATA

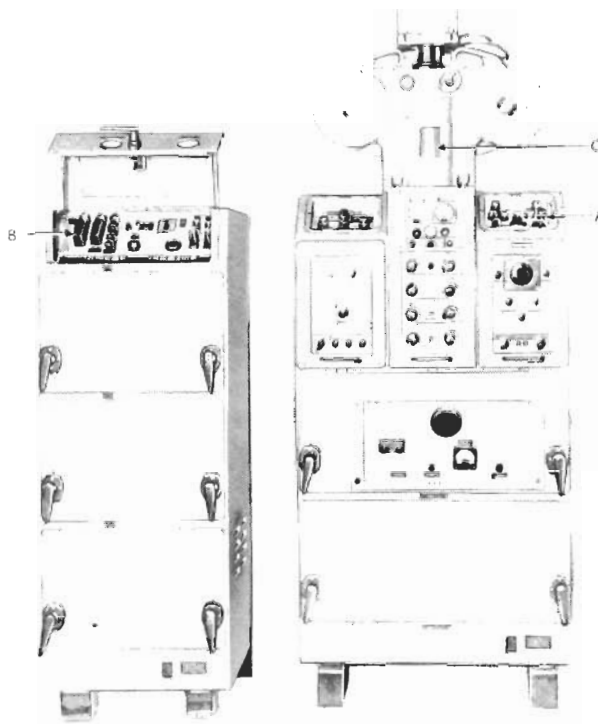
## PURPOSE

Provides facilities for recording on film the video response from radars (such as Types 960, 982, 984, 978, 293, 277) which have a continuously rotating aerial, together with facilities for simultaneous recording on tape of relevant audio information. Playback of film can be made to Displays (such as JE, JC, JZA, JG40, JDA) with synchronised playback of tape.

## BRIEF DESCRIPTION

Record Radar video is used to intensity modulate a small C.R.T., whilst radar aerial drives the film continuously past the C.R.T. screen. A series of Type B pictures having no gaps between them is thus produced on the film. Radar aerial also drives the tape in synchronism with the film by means of the Master Drive Unit.

Playback The same C.R.T. scans the positive film, and resulting video is fed to displays, together with a sync-pulse and rotation.



RECORDING OUTFIT REJ

## MAJOR UNITS

- (A) AP 63959 Cabinet Design 126.  
(Operational Cabinet).
- (B) AP 63967 Cabinet Design 127.  
(Power Cabinet).
- (C) AP 63954 Film Unit.

## PHYSICAL DATA

	<u>Height</u>	<u>Breadth</u>	<u>Depth</u>	<u>Weight</u>
Cabinet Design 126	72 in.*	26½ in.	22 in.	490 lb*
Cabinet Design 127	62 in.⊕	18½ in.	22 in.	405 lb*

\*Including associated units.

⊕With lid open, as illustrated.

## PERFORMANCE

The equipment will give a realistic reproduction of the radar display, but due to photographic processes some increase of contrast and degradation of echo characteristics may be expected, particularly with short range or other high discrimination sets.

## POWER REQUIREMENTS AND CONSUMPTION

Power Supplies	115-230-440 V a.c. 50-60 Hz single-phase	1.2 kW
	220 V d.c.	1.1 kW (peak)
	180-200 V a.c. 400-500 Hz single-phase	400 W
	24 V d.c.	288 W (peak, when 'M' type transmission is in use)
Anti-condensation heaters	115-230 V a.c.-d.c.	200 W

## HEAT DISSIPATION

Cabinet Design 126

500 W

Cabinet Design 127

1 kW

## REMARKS

Ancillary equipment is AP 70958 Aerial Simulator and AP 71046 Pulse Shaping Unit (used only in conjunction with Type 984/C.D.S. equipments), also AP 62862 Remote Control Unit and a radar selector switch.

## HANDBOOK

BR 1168

## ESTABLISHMENT LIST

E1117

## INSTALLATION SPECIFICATION

8857