PURPOSE
Provides facilities for recording on film the video response from radars (such as Types 962, 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 JD, JC, J2A, J400, J2A) 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 8 pictures having no gaps between them is thus produced on the film. Anerial 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.

MAJOR UNITS
[a] AP 43799 Cabinet Design 126.
[Operational Cabinet].
[b] AP 63987 Cabinet Design 127.
[Power Cabinet].
[c] W 63954 Film unit.

PHYSICAL DATA

<table>
<thead>
<tr>
<th></th>
<th>Weight</th>
<th>Breadth</th>
<th>Depth</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabinet Design 126</td>
<td>72 in.</td>
<td>264 in.</td>
<td>22 in.</td>
<td>490 lb.</td>
</tr>
<tr>
<td>Cabinet Design 127</td>
<td>62 in.</td>
<td>184 in.</td>
<td>22 in.</td>
<td>405 lb.</td>
</tr>
</tbody>
</table>

*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

<table>
<thead>
<tr>
<th>Power Supplies</th>
<th>115-230 V a.c. 50-60 Hz single-phase</th>
<th>240 V d.c.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>180-200 V a.c. 400-500 Hz single-phase</td>
<td>240 V d.c.</td>
</tr>
<tr>
<td></td>
<td>1.2 kW</td>
<td>1.1 kW (peak)</td>
</tr>
<tr>
<td></td>
<td>1.1 kW (peak)</td>
<td>400 W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>200 W (peak, when 'M' type transmission is in use)</td>
</tr>
</tbody>
</table>

anti-condensation 115-230 V a.c.–d.c. 200 W
HEAT DISSIPATION

Cabinet Design 126 500 W
Cabinet Design 127 1 kW

REMARKS

Auxiliary equipment is AP 7095B Aerial Simulator and AP 7104A Pulse Shaping unit (used only in conjunction with Type 984/C.D.S. equipments), also AP 4268Z Remote Control Unit and a Radar Selector switch.

HANDBOOK

OH 1168

ESTABLISHMENT LIST

G117

INSTALLATION SPECIFICATION

0857