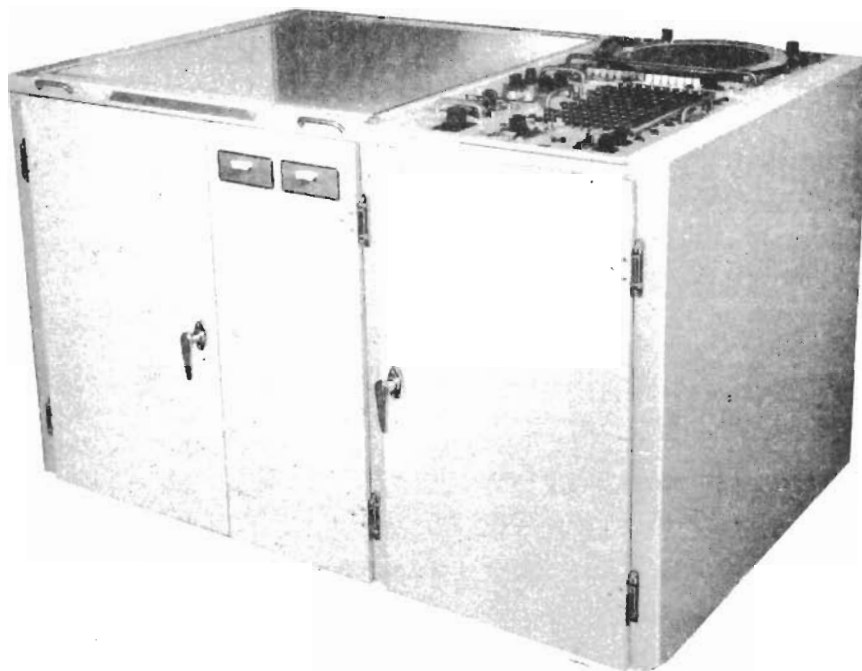


AUTOMATIC SURFACE PLOTTING SYSTEM JYC**JYC****SUMMARY OF DATA****PURPOSE**

Automatic Surface Plotting System JYC (Tactical Plot) provides a Plotting Screen on which is displayed a plan position picture; produced by data processing equipment from radar returns. Facilities are provided for tote display and manual injection to the computer. Provision is also made for displaying raw radar.

BRIEF DESCRIPTION

Automatic Surface Plotting System JYC consists of two displays and a Manual Injection Unit and can be considered in two sections. One section (Indicator Plot) provides a 32 inch diameter Plotting Screen. The other section consists of a 12 inch Display Unit and a manual injection Unit. The Indicator Plot is equipment that produces a plan position cathode ray tube display, photographs the display on to 16 mm film and processes and projects the filmed image, within a few seconds, on to the Plotting Screen.

MAJOR UNITS

- 5840-AP 172881 Indicator, Digital Display:
 - 5840-AP 172882 Amplifier, Video and Deflection
 - 5840-AP 172883 Amplifier, Gating and Deflection
 - 5840-AP 172314 Power Supply E.H.T.
 - 5840-AP 172884 Selector, Height and Category
 - 5840-AP 172885 Coil Assembly, Deflection and Focusing
 - CV 429 Cathode Ray Tube (12 inch diameter)
- 5840-AP 172309 Data Input Unit, Manual:
 - 5840-AP 172306 Joystick Unit, Display
 - 5840-AP 172307 Power Supply
 - 5840-AP 172315 Selector, Tote and Pointer
 - 5840-AP 172316 Data Input, Sub-Assembly
 - 5930-AP 206617 Switch, Push Button, 10-way (eleven off)
- 5840-AP 199169 Distribution Box
 - Indicator Plot, consisting of:-
 - 5840-AP 173171 Mainplate
 - 5840-AP 172882 Amplifier, Video and Deflection
 - 5840-AP 172883 Amplifier, Gating and Deflection
 - 5840-AP 172314 Power Supply E.H.T.
 - 5840-AP 173172 Control, Display
 - 5940-AP 173174 Power Supply
 - 5840-AP 162447 Fume Disposal Unit
 - 6760-AP 162445 Tank Assembly, Processing
 - 5840-AP 173176 Screen, Plotting
 - 5840-AP 173173 Panel, Control
 - 6760-AP 162446 Tank, Chemical Waste
 - 5840-AP 173182 Grid Unit
 - 5960-AP 161008 Shield, Electronic Valve
 - AP 162448 Mirror Assembly

RESTRICTED

BR 333(1)
Original

4310-99-972-0637 Compressor, Reciprocating
4140-99-971-7791 Blowers
Heater, Anti-Condensation
Cathode Ray Tube (3 inch diameter)
5840-AP 172885 Coil Assembly, Deflection and Focussing

PHYSICAL DATA

	<u>Height</u>	<u>Width</u>	<u>Depth</u>	<u>Weight</u>
Plotting System JYC	3 ft 2 in	5 ft	3 ft 7 in	1150 lb

POWER REQUIREMENTS AND CONSUMPTION

115 V \pm 5% 50-60 Hz single phase 300 W - A.C.H. heaters or alternatively
230 V d.c. 300 W - A.C.H. heaters
440 V 60 Hz 3 ϕ 800 W - Indicator Plot Supplies
200 V 400 Hz 3 ϕ 700 W - Radar Requirements
50 V d.c. 50 W - Radar Contactor
50 V d.c. 50 W - Radar Illumination

HEAT DISSIPATION

1600 W

HANDBOOKS

BR 2403
BR 2402 (JCA Handbook for additional information regarding the Indicator, Digital Display, and Data Input Unit, Manual).

ESTABLISHMENT LIST

E 1371

INSTALLATION SPECIFICATION

B960 Volume 5