

DISPLAY OUTFIT JHA (3)

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SUMMARY OF DATA

PURPOSE

The Display Unit produces a high accuracy PPI display from any radar equipment which provides suitable sync pulse, video, azimuth data and ship's heading marker signals. A synthetic display may be produced in addition to, or instead of, the radar display with additional facilities for interfacing alpha-numeric information for a labelled plan display.

BRIEF DESCRIPTION

The Display Unit is mounted in a free standing console and provides a 16 in PPI display with eight range scales and six calibration rings of adjustable brilliance to each range. A continuously variable range marker with independent brilliance control provides automatic range readout on a 4-digit panel display.

An illuminated cursor is provided to facilitate the measurement of the bearing of an echo anywhere on the crt face. Off-centring the display by up to one crt radius is achieved by means of X and Y shift controls. The shift system may also be driven by external true motion equipment. The crt is provided with a large parallax-free horizontal reflection plotting surface, the central zone of which is in the form of a removable disc so that various engraved overlays may be used over the crt picture. This arrangement also facilitates the replacement of the plotting surface. The Display Unit is also intended for use with computer orientated data handling systems and has mounting locations for two keyboard/rolling ball modules for this application. A separate bulkhead mounted Power Unit provides the Display Unit with unstabilised dc supplies and an ac supply.

MAJOR UNITS

<u>Part No.</u>	<u>Description</u>
CA 1602	Display Outfit comprising:-
78204/A	Display Unit
78205/A	Power Unit

POWER REQUIREMENTS

115 V to 440 V, 3-phase, 45-65 Hz.

HANDBOOK

BR 8571

ESTABLISHMENT LIST

S 1756

INSTALLATION SPECIFICATION

B 3064