

SUMMARY OF DATA

DESCRIPTION

D.F. Outfit FH5 is a direct reading CRDF/Intercept Receiver Terminal for use in surface ships. The D.F. aerial system used is such that bearings are indicated correctly for those signals arriving by direct propagation along the sea surface (groundwave) only. The D.F. application of the Outfit is thus limited to the working of transmitters within a range of the order of 30 to 150 miles. Facilities for rapid band changing, semi-automatic sense determination, video and audio outputs are incorporated.

COMPOSITION OF OUTFIT

The Outfit comprises the following main items of equipment:

Frame Coil	5985-A.P.186478
Aerial Transformer Unit	5825-99-971-6872
Cabinet (wired) containing	5825-99-971-6865
Control, Aerial Switching	5825-99-971-6866
Control, Demodulator	5825-99-971-6867
Indicator, Bearing	5825-99-971-6868
Receiver, Dual-channel	5825-99-971-6869
(Receiver) Power Supply	5825-99-971-6870
(General Purpose) Power Supply	5825-99-971-6871

FREQUENCY RANGE

1 - 30 MHz

RECEPTION FACILITIES

Double Sideband
Single Sideband
Frequency modulated

D.F. DISPLAY

Vectorial display on cathode ray tube

AUDIO OUTPUTS

10 mW into 600 ohms
3 mW into 600 ohms

POWER REQUIREMENTS

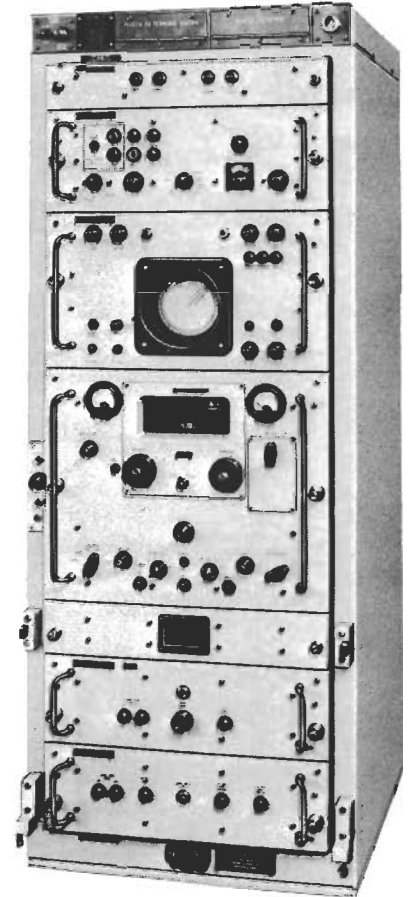
Main Equipment Supply	115 V or 230 V, 50 or 60 Hz, 500 W
Anti-Condensation Heater Supply	115 V or 230 V, 50 or 60 Hz, 300 W (From circuits maintained at all times)
Gyro Supply	115 V - 400 Hz Reference Voltage
Fire Detector	{+210 V dc stabilised} obtained from A.P.164246 Power Supply, Fire {+24 V dc } Detection

HEAT DISSIPATION

680 W approximately

VENTILATION

Airflow 150 ft³/min at 1.35 - 1.8 inches estimated W/G



PHYSICAL DATA

Height	Width	Depth	Weight
63½ in - (161.3 cm) less mounts	24 in - (61.9 cm)	30 in - (76.2 cm)	700 lb - (158.76 kg)

INSTALLATION SPECIFICATION

B 946/PRE 2

ESTABLISHMENT LIST

S1427

HANDBOOK

BR 2465(1)(2)