

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

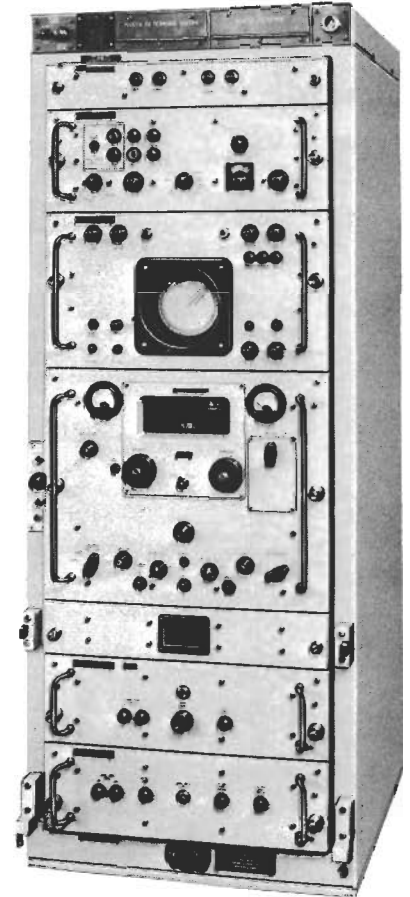
| | |
|---------------------------------|---|
| Main Equipment Supply | 115 V or 230 V, 50 or 60 Hz, 500 W |
| Anti-Condensation Heater Supply | 115 V or 230 V, 50 or 60 Hz, 300 W (From circuits maintained at all times) |
| Gyro Supply | 115 V - 400 Hz Reference Voltage |
| Fire Detector | {+210 V dc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

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)