

**CABINET RECEIVER AND MONITOR**  
**OUTFITS CEQ(1)(2)**  
**(HIGH ACCURACY RECEIVER)**  
**FOR RADAR TYPES 992P/Q, 965P, 278M**

CEQ

## SUMMARY OF DATA

**PURPOSE**

A high accuracy radar receiver with high operational availability, compatible for use with radars of differing i.f. and providing ancillary facilities for Noise Factor measurements.

**I.F.**

13.5 MHz {CEQ(1)}  
 30 MHz {CEQ(2)}

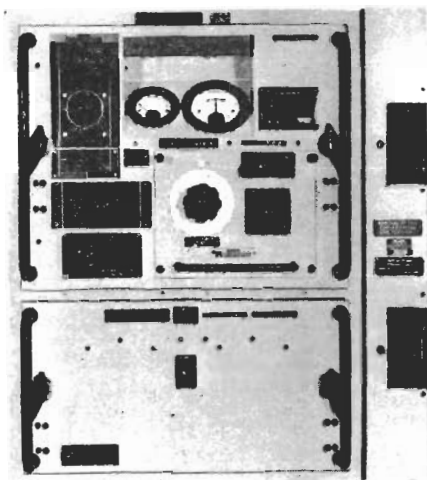
**POWER SUPPLY**

440 V, Single Phase, 60 Hz

**MAJOR UNITS**

AP 172855 Cabinet Receiver and Monitor, containing:

AP 172857 Drawer, Receiver and Monitor  
 AP 172858 Drawer, Power Supply, Receiver

**DESCRIPTION**

The equipment is housed in one cabinet containing two swivelling drawers provided with interlocking switches for the safety of personnel. In the upper drawer, two identical logarithmic amplifiers are provided, one in use and the other at STANDBY-TEST. Fault finding and repair can proceed during system operation, so giving maximum operational availability. The valve stages amplify at low signal inputs, but detect at high signal inputs, the output being fed into a delay line which ensures that the outputs are in phase at the end of the line, irrespective of the degree of amplification. Two video outputs are provided via cathode follower stages. A Test Oscillator and metering components are provided in the drawer, so that a logarithmic amplifier can be checked rapidly. The logarithmic amplifiers, linear amplifier and test oscillator are available for either 13.5 MHz or 30 MHz; the correct units must be fitted to suit each installation. Conventional linear i.f. amplifiers are also provided for the measurement of Noise Factor in conjunction with a Test Oscillator and a variable attenuator. In the Power Supply Drawer, two separate power supplies provide +200 V, -150 V and -138 V from 440 V single phase 60 Hz.

**HANDBOOK**

BR 2429

**INSTALLATION SPECIFICATION**

B960 for 992P      B847 for 965P      B900 for 278M

**ESTABLISHMENT LISTS**

E1599 for CEQ(1)(2)      E1438 for 992P      E1295 for 965P      E1280 for 278M