

SUMMARY OF DATA

PURPOSE

An outfit fitted with Type 275/M/P to display fall of shot for accurate ranging.

POWER REQUIREMENTS AND CONSUMPTION

180V 500 c/s 250VA approx.

HEAT DISSIPATION

250 Watts approx.

MAJOR UNITS

Pattern No.	Description	Physical Data			
		Height	Width	Depth	Weight
65031	Display Unit 51AE	11"	1' 2"	2'	50 lb
65030	Amplifier and Power Unit	1' 2"	1' 1"	1'10"	80 lb

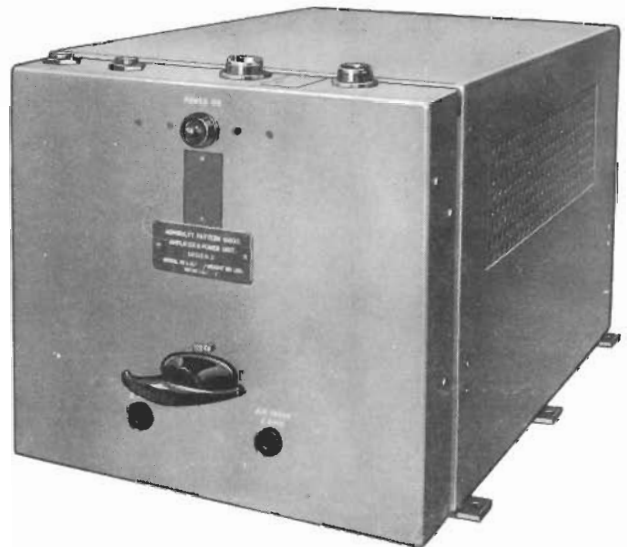
BRIEF DESCRIPTION

The outfit displays fall of shot on a vertical trace covering a range zone of 2000 yards. Provided the target is accurately strobed for range on Panel L36 the centre of this range zone is at the target. The presentation is in the form of a back-to-back (butterfly) display, errors in bearing appearing as asymmetrical deflection about the vertical trace. An additional i.f. amplifier is incorporated in the Amplifier and Power Unit and employs manual gain control to enable the display to be operated permanently at noise level.

The "Fall of Shot" signal lamp, operated automatically from the fire control equipment, is used to inform the splash spotting operator when a salvo to which a correction has been applied is about to fall.



DISPLAY UNIT 51AE



AMPLIFIER AND POWER UNIT

REMARKS

In ships fitted with A.F.C.B. Mk. 10 the Display Unit will be housed in the Application Unit Mk. 1 (D.N.O. equipment) which is part of this equipment. In ships not fitted with A.F.C.B. Mk. 10 the Display Unit will be bulkhead mounted.

The Amplifier and Power Unit will be secured to the modified mount on top of Panel L35 in place of the Type 242 Performance Meter, no longer fitted.

HANDBOOK

B.R.1518

ESTABLISHMENT LIST

E.1075

INSTALLATION SPECIFICATION

B.307/R3 Addn. A.