

THE DECCA NAVIGATOR SYSTEM

SUMMARY OF RECEIVER MODELS PRODUCED AND UNDER DEVELOPMENT

Type	Input Power Requirements		Number of Channels	Display	Dimensions in Inches	Weight in Pounds (including Meter Display)	Quantity Produced	Purpose	Remarks
	Voltage	Wattage							
QM	220 A.C.	110	3 M.R.G.	1 pair Decometers			30	PROTOTYPE RECEIVER FOR MARINE NAVIGATION	Developed as a secret war-time navigational aid for the Admiralty. Used operationally for the first time by the Royal Navy on D-day to assist in mine sweeping and general navigation between England and the Invasion beaches.
QMI	220 A.C.	90	"	"	$21\frac{1}{4} \times 16\frac{1}{4} \times 12\frac{1}{4}$	80	40	MARINE NAVIGATION	Development of Q.M. Receiver. Used extensively by the Royal Navy for mine clearance in the Scheldt Estuary prior to the re-opening of the Port of Antwerp. Receiver shown in Fig. 1.
QM2	12 D.C.	8	"	"	$18 \times 16\frac{1}{2} \times 7\frac{1}{2}$	32	30	PORTABLE SURVEY RECEIVER FOR GENERAL USE	Portable battery operated receiver developed primarily for use on small ships not equipped with 220 v. mains. Also suitable for general use on land or in the air. Used by the Royal Navy in the Scheldt sweeping operations. Receiver shown in Fig. 2.
QM3	220 A.C.	90	"	2 PAIRS DECOMETERS	$21\frac{1}{4} \times 16\frac{1}{4} \times 12\frac{1}{4}$	80	40	MARINE NAVIGATION	Modification programme to Q.M.I. Receiver. Receiver output stages modified and two pairs of Decometers fitted to permit remote presentation of meter readings.
MK III	12 D.C.	65	"	1 PAIR DECOMETERS	$18 \times 16\frac{1}{2} \times 8$	$27\frac{1}{2}$	7	AIRBORNE RECEIVER	Airborne set operating on Red and Green Slaves of English Chain. Produced for trial purposes only.
	24 D.C.	65	"	"	"	"	7	AIRBORNE RECEIVER	As above.
	110 D.C.	70	"	1 PAIR DECOMETERS	"	"	46	MARINE RECEIVER	Marine set operating on Red and Green Slaves of English Chain. Produced in limited quantity primarily for Ministry of Transport trials. Receiver shown in Fig. 3.
MK IV	12 D.C.	90	4 M.R.G.P.	1 SET DECOMETERS	$15\frac{1}{2} \times 15 \times 8$	$31\frac{1}{2}$		AIRBORNE RECEIVER	Air and Marine set designed for power supplies as specified. Receiver operates on Red, Green and Purple Slaves of English Chain. Receiver now in production and available commercially. Airborne receiver shown in Fig. 4.
	24 D.C.	90	"	"	"	"		AIRBORNE RECEIVER	
	80 (1000 ~) D.C.	90	"	"	"	"		AIRBORNE RECEIVER	
	110 D.C.	90	"	"	"	"		MARINE RECEIVER	
MK V	24 D.C.	90	"	"	$12 \times 15\frac{1}{2} \times 8^*$	20*		AIRBORNE RECEIVER	Experimental prototypes now under development.
	110 D.C.	90	"	"	$15\frac{1}{2} \times 16\frac{1}{2} \times 7\frac{3}{4}^*$	62*		MARINE RECEIVER	
MK VI	24 D.C.							AIRBORNE RECEIVER	Experimental prototypes now under development to include lane identification and multi-frequency working. Production expected early 1947.
	110 D.C.							MARINE RECEIVER	

LEGEND (i) * ESTIMATED (ii) CHANNELS M-MASTER R-RED G-GREEN P-PURPLE