

For further information see—

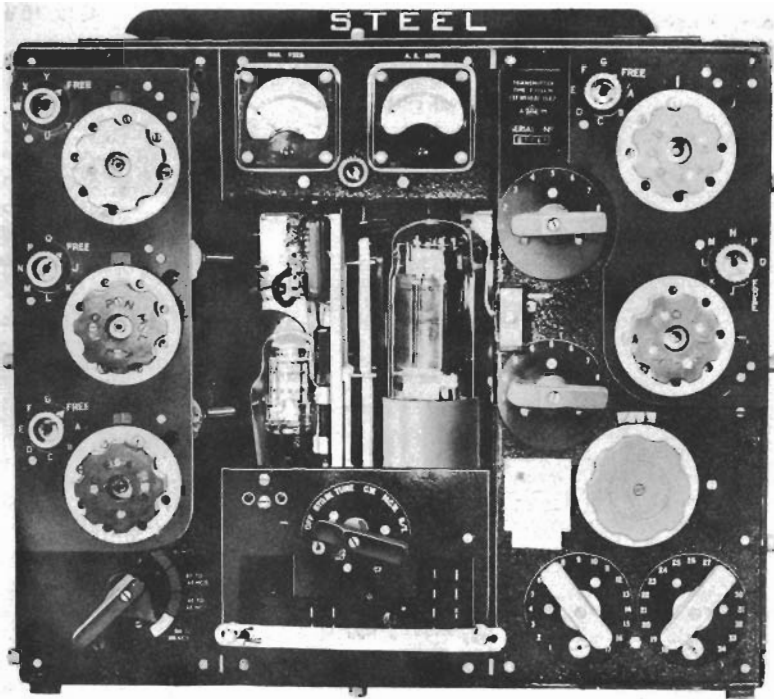
A.P.2548A

TRANSMITTER, T.1154H

Stores Ref. 10D/1180

TRANSMITTER, T.1154M

Stores Ref. 10D/1587



Transmitter, T.1154H and Transmitter, T.1154M

Function	Airborne transmitter, R/T, MCW, CW, for air-to-air, air-to-ground communication. With colour-coded controls and click-stop pre-set frequencies. Used with receivers of the R.1155 series
Frequency range	500-500 kc/s, 2.35-4.5 Mc/s, 4.5-8.7 Mc/s, 8.7-16.7 Mc/s
Frequency control	Master-oscillator
Frequency accuracy	0.1 per cent
Modulation	70 per cent
Input voltage	1,200 volts at 200 mA. 6 volts at 4A
Power output	50 to 80 W., 13 to 20 W. on R/T and MCW
Amplifier class	Class C, with suppressor-grid modulation on MCW and R/T
Control	Manual
Microphone type	Carbon granule or electro-magnetic with sub-modulator A.1134 or A.1134A
Aerials	Trailing aerial on MF; fixed aerial on HF
Valves	Oscillator and modulator, indirectly-heated triodes CV.1105 (10E/216). Power amplifier, two directly heated pentodes CV.1104 (10E/215)

Power supplies

HT from power units Type 32, 32A and 32B (all 12-volt input). Type 33, 33A and 33B (all 24-volt input) ; LT from power units Type 34, 34A (12-volt input), Type 35, 35A (24-volt input). For training on ground, power units, Type 114, and Type 115

Dimensions, weights and Stores Ref. of main items of installation

	<i>Dimensions</i>	<i>Weight</i>	<i>Stores Ref.</i>
T.1154H	$17\frac{1}{2} \times 16\frac{3}{8} \times 11\frac{1}{4}$ in.	46 lb. 10 oz.	10D/1180
T.1154M	$17\frac{1}{2} \times 16\frac{3}{8} \times 11\frac{1}{4}$ in.		10D/1587
R.1155B	$16\frac{7}{8} \times 9\frac{3}{8} \times 11\frac{3}{8}$ in.	26 lb.	10D/13045
HT Power units—			
Type 32 or		30 lb. 4 oz.	10K/17
Type 32A or,		30 lb. 4 oz.	10K/13063
Type 32B or,		30 lb. 4 oz.	10K/1474
Type 33 or,		30 lb. 4 oz.	10K/13
Type 33A or,		30 lb. 4 oz.	10K/13064
Type 33B		30 lb. 4 oz.	10K/1470
LT power units—			
Type 34A or,		27 lb. 12 oz.	10K/13065
Type 35 or,		27 lb. 12 oz.	10K/13066
Type 35A		27 lb. 12 oz.	10K/20
<i>For use on ground—</i>			
Power unit—			
Type 114	$19 \times 19 \times 13$ in.	65 lb.	
or	$19 \times 19\frac{1}{2} \times 10\frac{1}{2}$ in.	55 lb.	10K/350
Type 115	$23\frac{5}{8} \times 16\frac{7}{8} \times 20\frac{3}{8}$ in.	70 lb.	10K/351
<i>For mobile ground station—</i>			
Rectifier, Type 26			10D/745
Switch unit, Type J			10F/126
Aerial plug board			10A/681
Aerial ammeter			10A/12227
			or
			10A/12667

Typical installation weight

105 lb. approx.

Test equipment

Test set, Type 65 10S/137
 Signal generator, Type 17 10S/11933