

Test Oscillator TS-47/APR is a portable signal generator used for checking the operation and calibration of Radio Set SCR-587, Radio Receiving Equipment AN/APR-4 and Radio Receiving Equipment AN/APR-5A. It covers the frequency range 40 to 500 mc. on fundamental frequencies over two bands and with harmonic output is useable up to 3000 mc. The oscillator output, controlled by a three way switch, may be unmodulated, or modulated by pulses or 1000 cycle audio frequency to simulate signals of enemy radar and communication systems.

TS-47/APR complete with shock mounts is housed in a waterproof wooden case. Power may be supplied from either 80, 115 or 230 volt, 60-2600 c.p.s., a.c. source or from dry batteries.

Army Supply Program requirements as of 31 July 1944 were 2,141 for the calendar year 1944 and 1,030

for 1945. As of 2 August 1944, procurement was limited to 660 equipments for 1944.

POWER INPUT	12 WATTS
POWER OUTPUT	3 MILLI-WATTS
FREQUENCY RANGE	40 TO 500 MC.(fundamental) 500 TO 2000 MC.(harmonics)
TYPE OF SIGNAL	500 P.R.F., 70 U SEC WIDE 1000 C.P.S.
ACCURACY	± 1%

TUBE COMPLEMENT			
NO.	TYPE	NO.	TYPE
1	6X5GT	2	9002



Test Oscillator TS-47/APR



Cord CX-153/U

TEST OSCILLATOR TS-47/APR

TOTAL WEIGHT 15 LBS.

Component	Nomenclature	Size	Weight
Test Oscillator	TS-47/APR	6 1/2" x 10" x 5 1/2"	15 LBS.
Cord	CX-153/U	8 ft. long	