

Radar Indicator Assembly AN/APA-6 is an airborne pulse analyzer equipment designed to operate with an associated search receiver for the analysis of detected radar signals. Its frequency range depends on the associated receiver and it is capable of analyzing signals having a pulse duration of 1 to 100 micro-seconds and a pulse repetition rate between 75 and 6000 pulses per second.

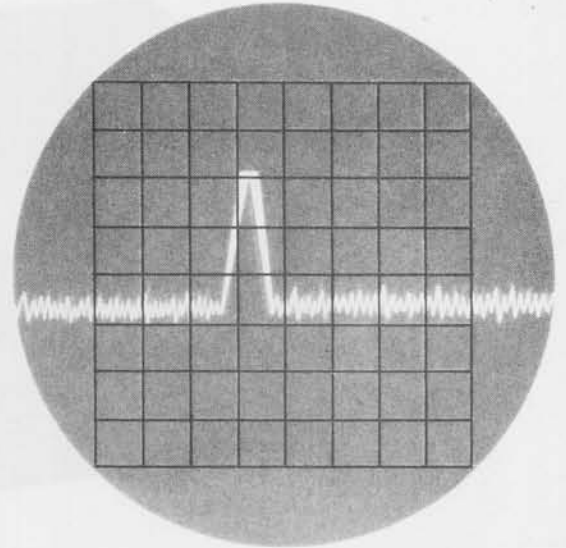
In operation the equipment is linked with the associated receiver by means of a special cable designed to prevent pulse distortion. A pattern of the received radar pulse is presented on the scope mounted on the panel of the set. The pattern can be analyzed for shape, pulse duration and amplitude. In addition, the pulse repetition frequency may be read directly from a meter on the panel of the set. When more than a single pulse is being picked up this latter reading will be erroneous in that it will indicate the sum of the pulse repetition frequencies being received. In that case an associated audio oscillator is used to furnish a horizontal sweep on the scope the same frequency as one of the pulses being received. This stops the one pattern on the scope and permits the others to drift across.

Power requirements are supplied from an 80/115 volt, 400-2600 c.p.s., a.c. source.

Test equipment required for the maintenance of this equipment includes R.C.A. Oscilloscope type 158A and Hickok type 110 Vacuum Tube Voltmeter.

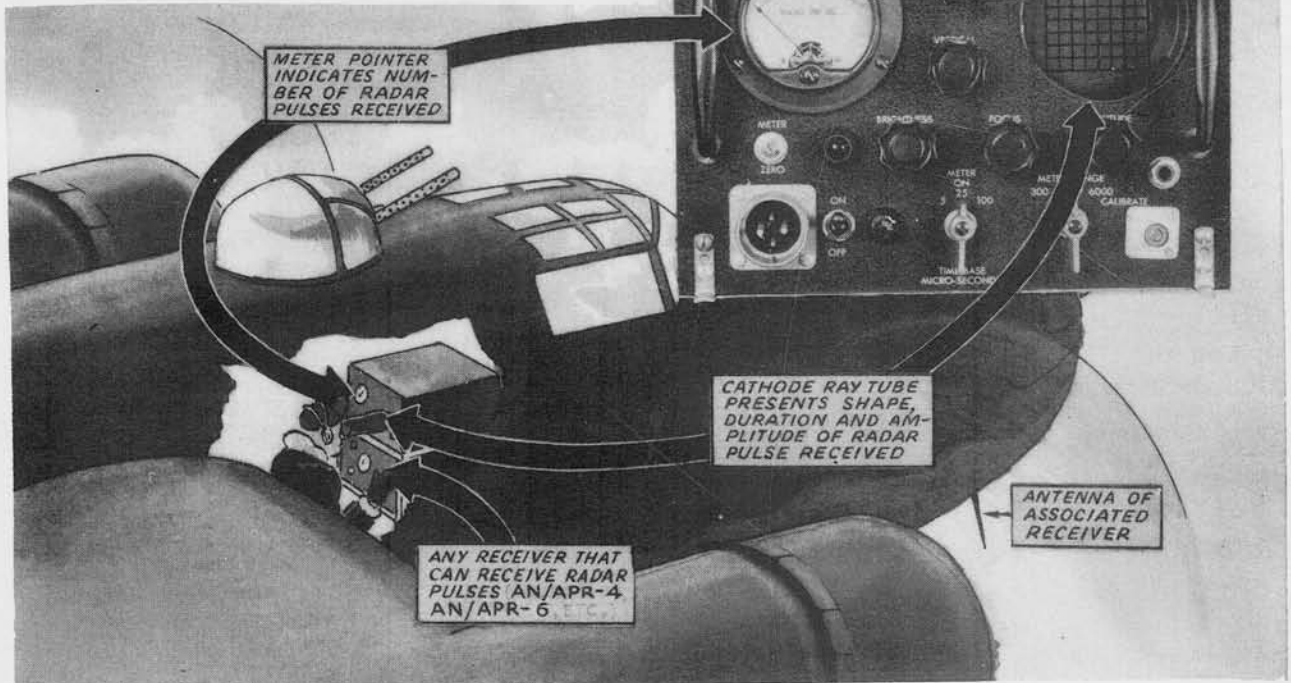
Army Supply Program requirements as of 18 August 1944 were 100 equipments for the calendar year 1944. This equipment is to be superceded by Radar Indicator Assembly AN/APA-11.

POWER INPUT	90 WATTS
INPUT IMPEDANCE	1000 OHMS
SWEEP LENGTH (Full Scale)	5, 25 AND 100 Micro-Seconds
P.R.F.	75 TO 6000 P.P.S.
DRIVER INPUT	0.5 VOLT AMPLITUDE



Enemy radar frequencies are analyzed and determined by position and/or size of pip.

TUBE COMPLEMENT			
NO.	TYPE	NO.	TYPE
1	VR-150-30	1	5V3GT
2	6SN7GT	1	2X2
1	6AG7	3	6SJ7
1	3BP1		



Radar Indicator Assembly AN/APA-6 is an airborne pulse analyzer used as an auxiliary unit with search receivers to study the characteristics of enemy radar transmitters.

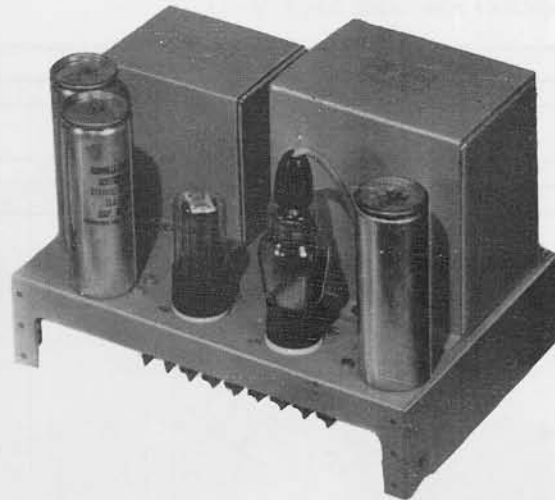
1 Dec. 1944



Oscillator 0-10/APA-6X



Indicator ID-33/APA-6



Rectifier Power Unit PP-20/APA-6

RADIO INDICATOR ASSEMBLY AN/APA-6

TOTAL WEIGHT 75 LBS.

Component	Nomenclature	Size	Weight
Indicator	ID-33/APA-6	11 " x 9 1/2" x 21 "	30 Lbs.
Rectifier Power Unit or	PP-21/APA-6X	11 " x 9 1/2" x 7 "	12 Lbs.
Rectifier Power Unit	PP-20/APA-6	11 " x 9 1/2" x 7 "	18 Lbs.
Oscillator	0-10/APA-6X	7 " x 9 " x 15 "	13 Lbs.
Mounting Base	MT-171/U	2 1/4" x 10 3/4" x 22 "	3 Lbs.
Mounting Base	MT-197/APA-6X	2 1/4" x 9 1/2" x 15 1/4"	3 Lbs.

and includes plugs, cable and adapters.