

AN/PPS-5 Radar Set

Status: STD-B; NSN: 5840-00-168-1567 (AN/PPS-5)
 STD-A; NSN: 5840-00-238-9366 (AN/PPS-5A)
 STD-A; NSN: 5840-01-009-4939 (AN/PPS-5B)

Reference: TM 11-5840-298-12

General Information

The AN/PPS-5 is a lightweight, transportable radar set. It is a partially transistorized set designed for detection of moving targets at short range (minimum detection range is 50 m (55 yd)).

Major Components

1 Receiver-Transmitter RT-692/PPS-5	1 Radar Control Indicator C-4610/PPS-5
1 Power Supply PP-4450/PPS-5	2 Antennas AS-1394/PPS-5
	1 Radar Tripod MT-2958/PPS-5

Technical Characteristics

Range-----	Moving vehicles, 10,000 m (10,936 yd); moving personnel, 6,000 m (6,562 yd)
Type-----	Noncoherent doppler
Target Indicator-----	Audio, headset; visual, A-scope for range, B-scope for azimuth
Beam Data-----	Beam width, 20 or 45 millimeters horizontal, 62 millimeters vertical; range gate, 40 m (44 yd); strobe distance, 600 or 5,000 m (656 or 5,980 yd)
Frequency-----	16.0 to 16.5 GHz
Peak Power-----	1 kw
Pulse Repetition Rate-----	4,000 PPS
Pulse Width-----	0.25 microsecond
Power Input-----	6 or 24 V DC
Power Source-----	Battery BB-622/U or vehicle power system
Weight-----	89.0 kg (196 lb)

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