

**AN/TPS-25 Radar Set***BEING PHASED OUT*

Status: STD-A; NSN: 5840-00-082-4128

Reference: TM 11-5840-217-10

## General Information

The AN/TPS-25 is a transportable battlefield surveillance radar set designed to detect moving targets and to supply information as to their location. During transit, all components of the set are secured in Shelter S-124/G to prevent damage. In operation, the antenna, power unit, and interconnecting cables for the components are removed and set up outside the shelter.

## Major Components

1 Receiver-Transmitter RT-500/ TPS-25	1 Servo Coordinator SN-231/ TPS-25
1 Power Supply PP-2166/TPS-25	1 Plotting Board PT-441/TPS-25
1 Modulator MD-344/TPS-25	1 Antenna AS-981/TPS-25
1 Radar Set Control C-2715/ TPS-25	3 Mast Bases AB-588/TPS-25

## Technical Characteristics

Range-----	Maximum: 18,280 m (19,991 yd) moving vehicles, 12,000 m (13,123 yd) moving personnel; minimum: 450 m (492 yd)
Type-----	Noncoherent doppler
Target Indicator-----	Audio, headset and/or speaker; visual, counter indicators; plotting board A-scope
Beam Data-----	Horizontal width: 10° search, 2° track; vertical width: 4°; range gate: 75 m (82 yd); strobe distance: 900 m (984 yd)
Frequency-----	9375 MHz ±30 MHz
Peak Power-----	43 kw
Pulse Repetition Rate-----	1,850 PPS
Pulse Width-----	0.5 microsecond
Power Input-----	115 V AC, 400 Hz
Power Source-----	MEP-021A
Weight-----	3,348 kg (7,366 lb)

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