

ED-VSU Doppler Radar Velocity Simulator with Frequency and Power Meter



Application:

- Direct, accurate antenna frequency measurement
- Direct, accurate antenna power measurement
- Simulates the Doppler return signal of 7 programmed rounds
- Check functionality of the MV Radar System
- Optical flash is generated for testing with flash detector triggers
- X-band frequency

Function Characteristics	
Microwave Frequency measurement	Range 10 to 11 GHz Resolution 0.05 MHz Accuracy 50 ppm Display Increments of 0.1 MHz
Microwave Power measurement	Range 10 to 36 dBm \pm 2 dBm Resolution 1 dB Display Instantaneous and Peak power
Target parameters	Velocity, Retardation, Duration, Rate of fire, Burst length
Simulated Targets	User programmable target types – maximum of 7. Continuous wave, Slow, Very fast, Short burst, Long burst. Selected simulation setting displayed on built-in LCD display.
Calibration	Reference clock output for calibration. Velocity compensated for radar frequency.
Frequency range	X band (10 – 11 GHz)
Flash detector test output	An optical flash, synchronized with the Doppler signal, is generated for testing flash detector triggers.
Equipment Characteristics	
Display	LCD (8 char x 2 lines)
Power supply	Rechargeable internal battery.
Battery life	3 hours for continuous use.
Charging supply	100~240VAC 50/60 Hz mains supply.
Tripod mount	1/4-20 screw thread mount on bottom of unit
Dimensions	125 x 205 x 90 mm (H x W x D)
Mass	1.93 kg

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