

Technical Specifications

SpeedSpy™
Speed Statistics Radar
Revision Date 4-16-09



Certified ISO 9001

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General Specifications	
Type	Pole mounted Speed Statistics Radar with Data Logger
Accuracy	100% accurate with a resolution of ± 1 unit of measure (± 1 mph, ± 1 km/h)
Ambient Operating Temperature	-22°F to +158°F (-30°C to +70°C)
Available Frequencies	K-Band
Communications	RS232, DB-9 serial connector
Controls	On/off switch located inside the control box
Detection Range	3,000 ft maximum (0.914 km) (Default is 1,500 ft (0.46 km))
Features	DSP, 32 bit processing. Four (4) Megabit memory.
Finish	Gray
Frame	Fiberglass reinforced polyester
Maximum Humidity	100% relative humidity @ +98.6°F (+37°C)
Power	12 VDC
Speed Range	5 - 150 mph (8 - 241 km/h)
Standard Warranty	One-year parts & labor
Target Acquisition Time	0.021 ms
Water Resistance	Meets International robustness standard IEC 529:1989 and European Community Standard EN60529 Classification IP 67

Mechanical	
Enclosure Dimensions	11.21" (H) x 9.21" (W) x 6.09" (D) without handle (28.47 cm x 23.39 cm x 15.47 cm)
Latch	Lockable via padlock
Handle	225 lb (102 kg) Load-Rated black nylon
Hardware	Stainless steel hinge pins and latch

Mechanical - continued	
Minimum Weight	8.056 lbs (3.65 kg) no battery
Maximum Weight	16.91 lbs (7.67 kg) with battery

Electrical	
Current Draw	0.20 amperes nominal
Fusing	5 A, 32 V Mini Automotive fuse
Low Voltage Shutdown	+9 VDC
Power Range	+9 VDC to +12.8 VDC (+12 VDC nominal)
Power Supply	12 AH, 12 VDC Sealed Lead-Acid battery

Microwave	
Type	SI-3 (K-band)
FCC Identifier	HTRCR-1KD
Frequency	24.150 GHz nominal
Beam Width	12° nominal
Polarization	Linear
Power Density	≤ 1 mW/cm ²
Power Output	7 mW nominal

Data Logger	
Type	EZ-Stat
Communications	RS232, Serial DB-9.
Memory Capacity	130,000 counts
Portability	Module removable for easy connection and download of data to user's computer
Programming	Software disk allows for statistics reports and programming of the EZ-Stat
Reports	Bar and Line Graphs (Count vs. Speed, Count vs. Time, Count vs. Hour, Traffic Speed Survey (Any Graph))
Time Formats	12 or 24 hour clock