



Technical Specs Sheet

General - Scout 2®	
Type	Stationary hand held directional Doppler radar
Accuracy	± 1 unit of measure (± 1 mph, ± 1 km/h)
Ambient Operating Temperature	-22°F to +158°F (-30°C to +70°C)
Audio	Five (5) audio volume levels
Communications	RS232
Controls	Rubber keypad with Menu, Test, Power, Fast buttons and Trigger switch
Display	Color LCD with backlight
Display LCD	Displays target and locked target speeds along with all menu options and message icons
Features	DSP, 32 bit processing. User selectable direction modes (towards, away, or both directions), faster target selection
Frame	Housing is a rugged ABS Polycarbonate Blend
Light Indicators	Green Charge Status
Maximum Humidity	90% relative humidity @ +98.6°F (+37°C)
Charging Port	USB-C
Speed Measurements	mph or km/h
Speed Range	12 - 210 mph (20 - 337 km/h)
Standard Warranty	2 years parts & labor
Water Resistance	Meets International Robustness Standard IEC 529:1989 and European Community Standard EN60529 Classification IP55

Mechanical	
Dimensions	8.25" (H) x 3.5" (W) x 3.75" (L) (20.955 cm x 8.89 cm x 9.525 cm)
Weight	1.8 lbs (0.816 kg)

Antenna	
K-Band	
IACP	Type III
Nominal Transmission Frequency	24.125 GHz
Nominal Horizontal Beamwidth	12° H, 24°V
Polarization	Linear (Vertical)
Nominal Microwave Power Output	7 mW
Maximum Aperture Power Density	<1 mW/cm ²



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Electrical	
Battery	Internal Lithium-Ion (Not User Serviceable)
Battery Low Voltage Shutdown (With Antenna On)	+6.0 VDC
Detachable Charging Cable	USB to USB-C
Run Time Between Recharges	Approximately 1 week with normal use.
Supply Voltage Range	+4.5 VDC to +5.5 VDC
Current - See below	
All currents are nominal and measured at 5.0VDC with fully charged batteries, backlight at 8 and speaker volume at 4.	
Antenna OFF (Standby)	0.31 amperes
Antenna ON (Transmit)	0.31 amperes (segment check "888 888")

Serial Format	
Standard serial communications has the following characteristics (8N1) and is transmit only:	<ul style="list-style-type: none"> • One (1) start bit • Eight (8) data bits • No parity • One (1) stop bit • Transmission at 1200 baud
Data is transmitted as ASCII symbols in the following digital sequence:	[hundreds] [tens] [ones] (<CR>=ASCII decimal value 13)

Communication Selections (Serial)

This sets the serial communication protocol to one of several options. Option selections are:

Com 0	No Output	Com 5	No Output - Legacy Support
Com 1	Diagnostic	Com 6	No Output - Legacy Support
Com 2	Diagnostic	Com 7	See serial output above
Com 3	No Output - Legacy Support	Com 8	No Output - Legacy Support
Com 4	No Output - Legacy Support	Com 9 & 10	Diagnostic

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