

Radar
Trailers

SVR™
Surface Velocity Radar

Accurate Water Speed Measurement

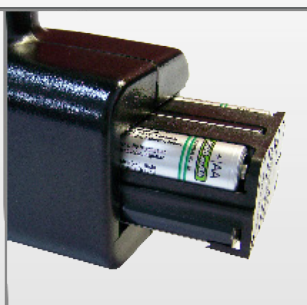
Designed specifically to measure streams and rivers, the SVR™ gives you precise speed measurement from a stationary position outside the body of water. The SVR™ is extremely valuable for measuring water surface velocity during high-velocity flows and flood conditions where using contact measurement instruments poses a risk to safety.

Features

- Allows scientists to determine the surface velocity of water
- Includes cosine error correction, allowing the unit to compensate for vertical angles
- High and low speed selection
- Replaceable AA rechargeable batteries
- Accepts tripod mounting
- User friendly measurement and reading
- Simple, more usable 5 digit display
- Recall up to 50 speeds
- Based on the Scout platform



SVR™ Front View



SVR™ Battery Pack



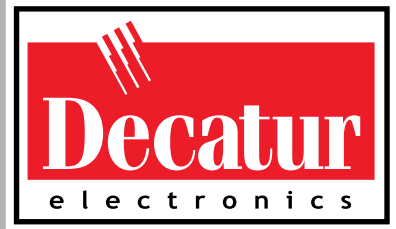
SVR™ Control Surface

Serving Law Enforcement for Over 60 Years

www.DecaturElectronics.com 800-428-4315

Technical Specifications

SVR2-01™
Surface Velocity Radar



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General	
Type	Stationary hand held Doppler radar
Accuracy	± 0.1 feet-per-second (± 0.03 meters-per-second)
Ambient Operating Temperature	-22°F to +158°F (-30°C to +70°C)
Angle Compensation	Vertical and Horizontal
Controls	Rubber keypad with Menu, Select, Power, Recall and Mode buttons. (Trigger switch - SVR2-01 model only)
Display	LCD with backlight
Display LCD	Displays the speed readings, menu options, and message icons. Display can be set to show speeds in 10ths or 100ths.
Features	DSP, 32 bit processing. Automatic vertical angle compensation (tilt sensor). Horizontal angle compensation adjustable from 0° to 60° in 5° increments.
Frame	Housing is a rugged ABS Polycarbonate Blend
Maximum Humidity	90% relative humidity @ +98.6°F (+37°C)
Dual Power	Six (6) AA NiMH batteries or detachable 12 VDC power cable with lighter plug
Recall	Recall up to 50 speed readings
Speed Measurements	Feet-per-second (FPS) Meters-per-second (M/S)
Speed Range	1 FPS to 65 FPS (2 ranges) 0.3 M/S to 20 M/S (2 ranges)
Standard Warranty	2 years parts & labor

Water Resistance	Meets International Robustness Standard IEC 529:1989 and European Community Standard EN60529 Classification IP55
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Mechanical	
Dimensions	10.25" (H) x 3" (W) x 7.25" (L) (26.305 cm x 7.62 cm x 18.415 cm)
Weight	2.1 lbs (0.952 kg) with batteries

Electrical - Power	
Battery Requirements	Six (6) AA Nickel-Metal-Hydrate (NiMH) rechargeable batteries (User replaceable)
Battery Voltage Range	+6.1 VDC to +7.2 VDC
Battery Low Voltage Shutdown	+6.1 VDC
Detachable Power Cord	Plugs into the cigar lighter receptacle of the vehicle
Power Cord Voltage Range	+8.5 VDC to +16.5 VDC
Power Cord Low Voltage Shutdown	+ 8.5 VDC

Electrical - Power Consumption Parameters (All currents measured at 7.2 VDC with backlight on)	
Standby	0.105 amperes
Transmitting	0.170 amperes

Microwave	
FCC Identifier	HTRCR-1K
Frequency	24.150 GHz nominal (K-band)
Beam Width	12° nominal
Polarization	Circular
Power Density	</= 1 mW/cm ²
Power Output	7 mW nominal