



SVR

Surface Velocity Radar™

Easy To Use

To take a speed measurement, point the SVR at the water or other moving mass, then pull and hold the trigger. You can measure surface velocity flowing toward or away from you.

Outstanding Features

- Easy-To-Read LCD Display with Backlight
- Angle Compensation
- Vertical Angle Compensation
- Horizontal Angle Compensation
- Black & Decker VersaPak® Rechargeable Battery Kit
- Rugged ABS Polycarbonate Blend Housing
- Water Resistant

The SVR meets the International Robustness Standard IEC 529:1989 and European Community Standard EN 60529 Classification IP55. These set international standards for immunity from damage by solid protrusions and water.



www.DecaturRadar.com

Serving law enforcement for over 50 years
radar trailers video

SVR TECHNICAL SPECIFICATIONS

Radar

Units of Measure

Preset in feet per second (f/s) and meters per second (m/s).

Speed Measurement Range

0.1 f/s – 43 f/s (0.3 m/s – 13 m/s)

Measurement Accuracy

+/- 0.1 f/s (+/- 0.3 m/s)

Operating Frequency

K-Band, 24.150 GHz

Nominal Horizontal Beam Width

12°

Polarization

Circular

Microwave Power Output

7 mW nominal

Maximum Aperture Power Density

$\leq 1 \text{ mW/cm}^2$

Computer

DSP Computer

32-Bit Processing

Cosine Error Correction

Cosine error correction for the horizontal angle is set at 0° error (adjustable from 0° to 45° in 5° increments).

Supply Voltage Range

6.2 VDC – 8.0 VDC

Power Supply

Replaceable NiMH batteries

Low Voltage Threshold

6.2 VDC

Ambient Operating Temperatures

-22°F to +158°F (-30°C to +70°C)

Maximum Humidity

90% relative humidity at 99°F (37°C) non-condensing.

Total Weight

2.0 lbs. (0.91 kg)

Dimensions

3.25" (W) x 7.6" (H) x 7" (L)

Features

Easy To Use Radar

To take a speed measurement, point the SVR at the water, then pull and hold the trigger. You can measure water surface velocity flowing toward or away from you.

Easy-To-Read LCD Display with Backlight

Angle Compensation

The SVR compensates for the cosine error effect occurring when the gun is not directly in line (parallel) with the target.

Vertical Angle Compensation

The tilt sensor automatically compensates for the vertical angle at which you aim the gun to the target.

Horizontal Angle Compensation

Aiming the radar gun at the target at a horizontal angle greater than 10° creates a cosine error, which results in a spurious reading. To eliminate or greatly reduce this error, set the horizontal angle compensation option to the angle that you plan to aim the radar gun to the target from 0° to 45° in increments of 5°.

Batteries

The SVR comes with two Black & Decker® VersaPak™ 3.6-volt nickel-metal-hydride (NiMH), gold label batteries and a two-port 110 VAC charger.

Rugged ABS Polycarbonate Blend Housing

Water Resistant

Water resistance meets International Robustness Standard IEC 529:1989 and European Community Standard EN 60529 Classification IP55. These set international standards for immunity from damage by solid protrusions and water.

GSA contract GS-07F-0231L

**Call Us Toll-Free
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