

# SpeedLaser® LIDAR Systems

## SpeedLaser® S

Superior range and acquisition time

Rugged design at an affordable price

Advanced true speed-accuracy validation technology

Automated daily test and courtroom credibility



One great technology in three great forms.



SpeedLaser® R



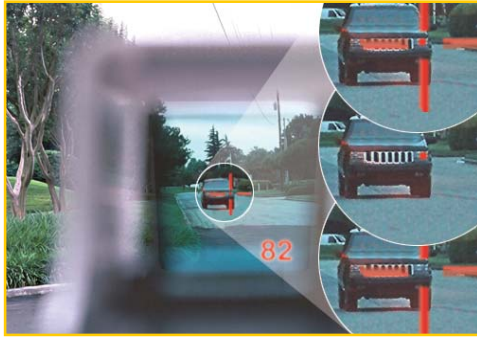
SpeedLaser® B

### About SpeedLaser

Laser Atlanta's laser optic technology gathers accurate speed readings from thousands of feet away in a fraction of a second with point-and-shoot ease. Available in a variety of configurations, measurement appear on the LCD screen as well as on the heads-up display in just 0.3 seconds—before jammers and detectors have a chance to interfere. Available upgrades enhance the device's capabilities with mapping solutions, Bluetooth technology, data storage and a variety of accessories. When it comes to speed detection, accuracy and reliability count. Laser Atlanta's line of LIDAR products has undergone extensive testing to ensure they meet the highest standards of performance. Moreover, manufactured from high caliber materials and designed for rugged use, Laser Atlanta products stand up to the harshest conditions. Any damage, including accidental droppage, is covered under our full-service warranty\*. Trusted by law enforcement officers around the globe, as well as the US Navy, and the British Home Office, you can be confident that Laser Atlanta's products execute maximum performance.

**SpeedLaser Description**

The SpeedLaser® is designed for performance and ease-of-use. Specialty detection modes include Stealth, stop-watch and obstructed view. The clear rear LCD display provides intuitive instructions in four different operator-selected languages. S and R units feature a rechargeable battery handle with available wall and cigarette plug chargers that provides lasting power as well as a comfortable grip. B units are powered by a rechargeable internal or optional pistol-grip battery that provides up to 24 hours of power with normal use. With one of the lowest repair rates and costs in the industry, all SpeedLaser LIDAR systems are manufactured from shock-resistant Lexan ABS alloy housing, and all opto-electronics are bolted to a cast aluminum chassis to withstand rugged use.



**Simple and Easy**

Try the SpeedLaser and you'll see how easy it is to operate. The heads-up viewfinder eliminates guesswork as the aiming dot and crosshair clearly identify which vehicle is targeted with pinpoint accuracy. Simply aim and shoot and in 0.3 seconds or less a beep confirms measurement acquisition. The vehicle's speed and distance appear in the viewfinder and on the rear LCD display along with the vehicle's direction. The SpeedLaser performs from distances up to 7000 feet (2133m), providing officers plenty of time to safely stop the speeding vehicle. The optional 8x monocular provides the R&S models with long distance use capabilities.

**The SpeedLaser Difference**

The SpeedLaser outperforms the competition with third-party tested accuracy. Special features include obstruction mode, which allows measurement through precipitation and objects that impede other devices. In Stealth Mode, the SpeedLaser acquires measurements without triggering jammers or detectors. As the original developer of the SpeedLaser, Laser Atlanta offers the fastest, most reliable, and most accurate products on the market.

**Best Service Guarantee**

Laser Atlanta provides excellent customer service with a 48 hour turn-around policy and free software upgrades. Units may be entirely tailored to meet your specific needs including measurement units, available Bluetooth capabilities, monocular, SD and USB storage ports, GPS accident mapping capabilities as well as customized configurations. LIDAR units come with a one-year extensive warranty that even covers accidental droppage damage.\*

**Specifications**

<p><b>Certifications:</b> International, U.S. and European standards, Listed on IACP consumer products list CE, FCC, Home Office Type Approval (R &amp; S)</p> <p><b>Environmental:</b> Water and dust resistant IP56 &amp; NEMA5 (S), IP67 &amp; NEMAX (R), IP67 &amp; NEMA4 (B option)</p> <p><b>Operating temp:</b> -22 to 140°F (-30 to 60°C)</p> <p><b>Measurement time:</b> 0.3 seconds minimum</p> <p><b>Distance range:</b> Up to 7000 ft (2,133 m)</p> <p><b>Speed range:</b> 0 mph to 200 mph (0 km/h to 320 km/h)</p> <p><b>Speed accuracy:</b> One unit of measure</p> <p><b>Distance accuracy:</b> +/- 0.50 ft (15.2 cm) 3 sigma +/- 0.25 ft (7.6 cm) 1 sigma</p> <p><b>Increment:</b> 0.1 mph/kph</p> <p><b>Head-up display:</b> LED aiming sights; 1 line x 4 character LED (B auto-rotates)</p>	<p><b>Rear panel display:</b> 4 line x 20 character LCD</p> <p><b>Keyboard:</b> Membrane keypad</p> <p><b>Light source:</b> Semiconductor pulsed laser 904nm</p> <p><b>Laser:</b> FDA Class 1 eye-safe (21 CFR 1040) (B EN60825-1)</p> <p><b>Divergence:</b> 3 mrad (0.3/100m 1/300ft)</p> <p><b>Data:</b> RS-232 serial port Optional SD card/USB drive (R&amp;S only)</p> <p><b>Power source:</b> Rechargeable nickel metal hydride battery</p> <p><b>Recharge time:</b> Standard: 8-10 hours Smart charger (R&amp;S): 2 hours for 2 handles</p> <p><b>Dimensions (S):</b> 3.8w x 7.3h x 6.4d in. (9.6w x 18.5h x 16.2d cm)</p> <p><b>Dimensions (R):</b> 4.5w x 7.5h x 8.4d in. (11.5w x 19.0h x 21.5d cm)</p> <p><b>Dimensions (B):</b> 5.7w x 3.2h x 6.5d in. (14.5w x 8.1h x 16.5d cm)</p> <p><b>Weight (S):</b> 3.4 lbs (1.5 kg) with 9v battery</p> <p><b>Weight (R):</b> 4.2 lbs (1.9 kg) with 9v battery</p> <p><b>Weight (B):</b> 2.6 lbs (1.2 kg) with internal battery</p>
---	---

**Suggested Packages**

- |   |  |
|---|--|
| <p><b>SpeedLaser B Base Package</b><br/>                 Part number: 1B00<br/>                 - SpeedLaser B<br/>                 - 120v AC charger - 5BMO<br/>                 - User's manual</p> | <p><b>SpeedLaser S &amp; R Base Packages</b><br/>                 Part number: 1500, 1R00<br/>                 - SpeedLaser S or R<br/>                 - Battery handle - 5HT0<br/>                 - 120v AC charger - 5MBO<br/>                 - User's manual</p> |
|---|--|

6090-E Northbelt Parkway Norcross, GA 30071 USA  
 P: 770.446.3866 F: 770.840.0462 sales@LaserAtlanta.com  
[www.SpeedLaser.com](http://www.SpeedLaser.com)

**Selected Accessories**

- |   |  |
|---|--|
| <p>Rechargeable battery handle - 5HT0<br/>                 9v battery handle - 5H90<br/>                 10' coiled power cord - 5BMO<br/>                 International 240v AC power cord - 5C10<br/>                 8x monocular scope - 5MR0 (R), 5MS0 (S)<br/>                 Smart charging station 5CS0<br/>                 Hardshell Case - 5PV0<br/>                 5E50 Photo Evidence Option</p> | <p>8KXM - Setup to kph/meters<br/>                 Extra 1-year warranty - PEAW<br/>                 Bluetooth - ARB0 (R model) ASB0 (S)<br/>                 Add SD/USB Drive - ARU0 (R) ASU0 (S)<br/>                 Accident Mapping - 6M00<br/>                 Video camera installation - 5RV0<br/>                 Add B Battery Handle - ABH0<br/>                 Custom configuration available</p> |
|---|--|

The information contained here is accurate and reliable to the best of our knowledge at time of printing and is subject to change without notice. No responsibility is assumed by Laser Atlanta for use of this information. Laser Atlanta, its logo and Advantage™, ProFiler™, SmartCharger, SpeedProof™, wiDAR™, SmartAdaptor™ & SpeedLaser® are trademarks of Laser Atlanta LLC. All other trademarks are the property of their respective companies. Patent Numbers 6,108,071; 7,286,955; 7,493,086 © 2009 Laser Atlanta LLC. All rights reserved.