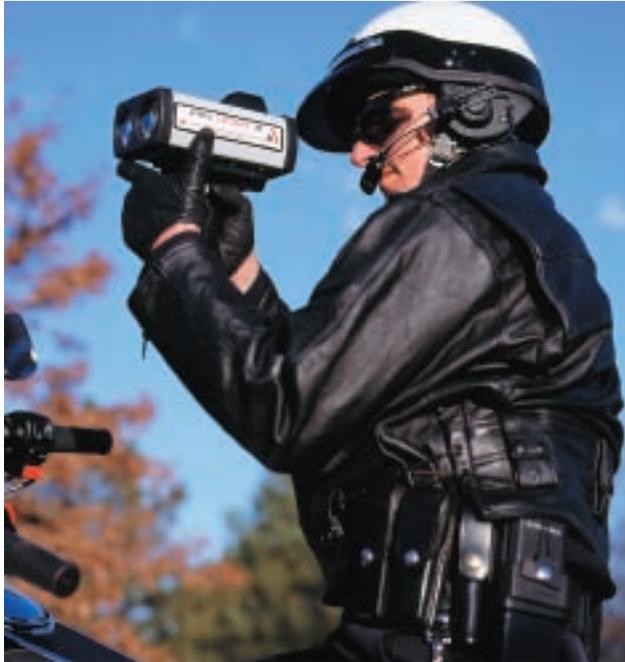


ProLaser® III



The ProLaser III offers the versatility of precise range and speed measurement in a compact, handheld package. The advanced technology of the ProLaser III provides pinpoint target identification and complete tracking history, allowing the operator to isolate a single vehicle out of a group.

The Pro-Laser III also has a Motorcycle Holster accessory (see page 11).

Lidar Technology

Using Lidar (Light Detection and Ranging) technology, the ProLaser III emits a series of infrared laser light pulses to measure both the range and velocity of targets. This technology, combined with advanced software and a superior optics design, provides fast target acquisition, all in a beam width that is approximately 3 feet wide at 1000 foot range.

Pinpoint Accuracy

The ProLaser III's Heads-Up Display (HUD) is designed to provide 1:1 viewing for precise vehicle targeting without eyestrain. The jointly mounted HUD and optics are secured to the rugged aluminum housing to prevent misalignment.

When using the HUD, you will see the target area and surrounding traffic for positive target identification, as well as an illuminated aiming reticle to pinpoint the target. An audible tone identifies when the target speed has been obtained. While holding the trigger, you'll be able to visually verify the target speed as it continuously updates in the Heads-Up-Display. Together, these features allow you to develop a complete tracking history, preferred by most judicial systems.

Environmental Mode

Historically, one of the drawbacks to using laser was been its limited effectiveness during poor weather conditions such as rain, snow, fog and dust. The waterproof ProLaser III incorporates a special environmental mode that minimizes the range-limiting effects of poor weather conditions and shooting through car windows.

More Advanced Features

The ProLaser III's selectable direction mode prevents displays of unselected traffic direction. This mode prevents the operator from inadvertently obtaining a speed from an opposite direction vehicle. The ProLaser III also has the capability of setting minimum and maximum target ranges—great for areas such as school and construction zones where you need a beginning and end mark to target vehicles inside a specific area.

Enhanced Design

The ProLaser III has a sleek, ergonomic design. Compact and weighing just over 3 pounds (with the battery) the unit features a forward swept handle. This advanced style reduces arm and wrist fatigue, allowing officers to comfortably target vehicles without the use of a shoulder stock.

The fixed handle accommodates either the self-contained, long-life rechargeable nickel metal hydride battery pack or the corded adapter for use with a 12V power source.



Speed Enforcement

ProLaser® III

SPECIFICATIONS

Type:	Stationary laser-based range and speed measurement system.	Aiming Tone:	No tone when beam is off moving target; intermittent tone when beam is close to target; solid tone when beam is locked on moving target.
Measurement:	Vehicle speed in miles or kilometers per hour; distance to object in feet or meters.	I/O Data Port:	RS-232 serial port outputs speed, direction, range and error messages. Operating parameters to the unit can be changed via remote control through the PC-type device. When connected to a giant digital display, exports speed information.
Eye Safety:	CDRH Class One Eyesafe.	Display:	Two line high contrast LCD active matrix display. Backlight permits night time use.
Operating Temperature Range:	-22°F to +140°F (-30°C to +60°C); 0 to 95% R.H., non-condensing.	Alpha Messages:	Low Voltage Alert indicates the battery is approaching minimum voltage. Low Voltage Warning indicates the battery has been exhausted and the unit will no longer function.
Storage Temperature:	-40°F to +176°F (-40°C to +80°C)	Stopwatch Mode:	Error indicates an internal problem exists. Displays indicate speed on left side of LCD and elapsed time on right side. Measurement distance can be set in increments of one foot from 300' to 4500'. Elapsed time is registered in tenth second intervals.
Power Requirement (external):	10.8 to 16.5 VDC; negative ground, 750 mA max.	Physical Construction:	Extruded aluminum housing protects internal circuitry. High-impact ABS handle houses power source. Durable rubber bumpers protect critical areas of front and rear panels.
Power Requirement (internal):	Removable, rechargeable 9.6 VDC nom., NiMH battery pack.	Waterproof Ratings:	IP-67 and NEMA 6
Test:	Activates a display segment test, internal accuracy test, and displays programmed units of measure (mph or km/h). Operator-controlled and automatic when first powered up.	Physical Dimensions:	Height: 10.25" (26.04 cm) Width: 4.25" (10.8 cm) Length: 7.4" (18.8 cm)
Optics:	Dual objective lenses for transmitted and received laser pulses.	Weight (w/ internal battery):	3.25 lb. (1.9 Kg)
Heads-Up-Display:	Displays illuminated square aiming reticle and 4-character, 7-segment, high-brightness, LED target speed or range.		
Beam Width:	3' x 3' at 1,000' (1m x 1m at 305m).		
Speed Accuracy:	±1 mph (±2 km/h).		
Speed Range:	5 mph to 200 mph (8 to 321 km/h).		
Speed Display Update:	Updates current target speed 3-4 times per second while trigger is held, providing true tracking history of target vehicle.		
Range:	10' to over 6,000' (3m to 1829m); reflective target.		
Range Accuracy:	±6" (±0.2 m).		
Range Resolution:	0.1' (0.1 m).		
Acquisition Time:	0.3 seconds, typical.		
Direction Discrimination:	Unit can be set to measure and display speed of approaching only (+), receding only (-), or both directions of traffic.		
Warranty:	2 years		

OPTIONS

Coiled Power Cord	Rugged Carrying Case
Additional Battery Pack	Soft Carrying Case
Windows-based LaserStat Traffic Statistics Package	Lockable Motorcycle Holster
PC to Laser Interface Cable	Tripod