

PLS•PACIFIC LASER SYSTEMS
OUR WARRANTY & SERVICE

PLS laser tools are designed to be a career purchase with a lifetime of profit and productivity. Your PLS laser can be repaired or replaced in case of need anytime after your purchase with our 48-hour factory repair turnaround. The PLS warranty covers workmanship of our products for one year after date of purchase. Service can be performed at our factory or by any of our authorized service centers throughout North America. To locate an authorized service center near you, call PLS or visit our website.

WWW.PLSLASER.COM



PACIFIC LASER SYSTEMS

The Professional Standard

1 800 601 4500

2550 KERNER BLVD., SAN RAFAEL, CA 94901

The PLS5, PLS3, PLS180 Palm Laser and PLS90 are registered trademarks of PLS•Pacific Laser Systems. • The PLS5 utilizes our patented technology, U.S.

Patent No. 5,144,487.

PLS180 No. 7,497, 018 B2

Brochure revised March 2010

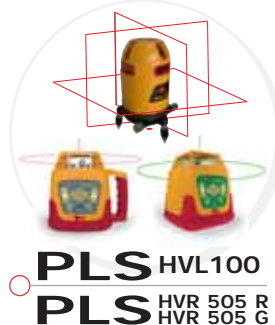


To help protect our environment, we encourage you to recycle at approved recycling location. Do not dispose of the battery in normal household waste.



PACIFIC LASER SYSTEMS

The Professional Standard



**ASK YOUR DEALER TO DEMONSTRATE
 A PLS LASER TOOL**

PLS• PACIFIC LASER SYSTEMS OUR EDGE

PLS•PACIFIC LASER SYSTEMS MANUFACTURES THE HIGHEST QUALITY LAYOUT TOOLS FOR THE PROFESSIONAL CONTRACTOR.

We are dedicated to designing career laser tools for a lifetime of increased productivity and profit.

Fast, accurate and portable, PLS lasers save time and money when your bubble vial level or rotary laser is too limited or too cumbersome to do the job. When a rotary laser is required for long-midrange vertical and horizontal layout, then our PLS HVR 1000 and PLS HVR 505 will tackle most projects. All PLS laser alignment tools are fully self-leveling.

Compare the advantages of using a PLS laser to traditional methods you now employ. When comparing PLS laser tools look for these quality features: 1. Beam quality should be small and crisp. 2. Dampening should be quick and stable. The beams should not bounce around. 3. The tools should be easy to use and efficient. *PLS5, PLS3, PLS180, PLS360 and PLS90 lasers are designed and calibrated in the USA. The PLS HVR and HVL lasers are made for PLS in Germany and Asia.*

PLS• PACIFIC LASER SYSTEMS OUR HISTORY

What sets PLS•Pacific Laser Systems apart from the rest? Built by contractors for contractors, PLS tools were developed out of necessity by professionals with over 50 years of experience in commercial and residential interior and exterior layout. PLS founders were contractors first before becoming manufacturers of the finest laser alignment tools in the world.

PLS• PACIFIC LASER SYSTEMS OUR APPLICATIONS

FRAMERS

No more plumb bobs in the wind. Lay out and install track and studs for commercial or residential projects. Use PLS to project 90 degree angles in a fraction of the time. No more 3-4-5. Indoor - outdoor application means higher utility and value for your purchase.

ELECTRICIANS

Use the PLS reference plumb points to determine where each light is to be installed. How long would it take you to lay out 50 lights in a vaulted ceiling with two people and a plumb bob?

HOME BUILDERS

Setting up foundations on a slope is always a challenge. Place your PLS90 on the corner of your layout and pull reference points forward and to the side for labor saving layout. Interior walls, stairways, cabinetry, skylights, windows and more can be aligned quickly and accurately with a PLS laser.

HVAC / MECHANICAL

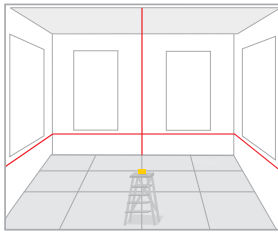
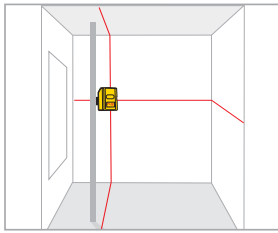
For commercial HVAC, PLS will speed vertical and level layout. Manipulate plumb, level, and square reference anywhere on the job site, regardless of obstacles or weather conditions.

ACOUSTIC CEILINGS

The PLS360 and 505 rotary laser makes layout and installation of acoustic ceilings fast and simple.

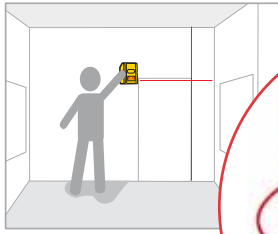
GENERAL CONSTRUCTION

The range, versatility and accuracy of our lasers make them ideal tools for checking elevations, setting large pads, leveling forms, square on slope and footings.



- PAINT
- WALLPAPER

- CARPENTRY
- DRYWALL
- ACOUSTIC CEILING



- WINDOWS
- DOORS



PLS180 TOOL

PLS180 TOOL PALM LASER INTERIOR HORIZONTAL-VERTICAL LAYOUT

This plumb, level and square laser line tool is brighter than most rotary lasers at a fraction of the cost. Fast, accurate and portable, the PLS180 Palm Laser saves you time and money when your bubble vial level or rotary laser is too cumbersome or too limited for the job.

PLS180 SPECIFICATIONS

- Accuracy: +/-1/8" @ 30' (+/-3mm @10 meters)
- Power supply: 3 AA batteries
- Leveling Range: 6°
- Dimensions: 2" x 2 7/8" x 3 3/8"
- Operating Time: +30 Hrs.
- Multiple Functions
- Continuous
- Range: 100' (30 meters)
- Weight: 1.7 lbs (.77 kg.)
- Patent #7,497,018 B2
- Class II Laser Product

THE PLS180 SYSTEM INCLUDES:

- PLS180 Laser
- Compact Carrying Case
- PLS180 Pouch
- Wall Bracket
- Operating Manual

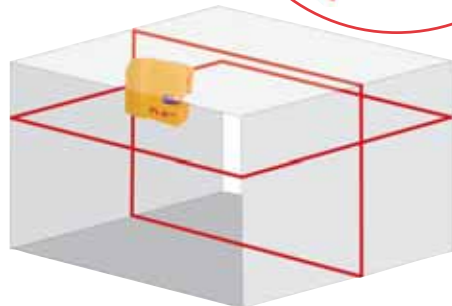
PLS180 SYSTEM PALM LASER WITH DETECTOR INTERIOR-EXTERIOR HORIZONTAL-VERTICAL LAYOUT

Exterior layout in your pocket. The PLS180, with our exclusive PLS SLD detector, is a simple, easy solution for short and mid-range exterior horizontal and vertical layout tasks.



PLS180 SYSTEM

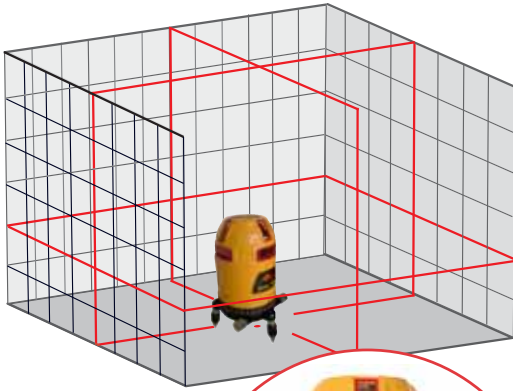
**PLS180
SYSTEM
includes
the PLS SLD
Detector**



- SIDING
- WINDOWS
- MASONRY
- DECKING
- FENCING
- LANDSCAPING

THE PLS180 SYSTEM INCLUDES:

- PLS180 Laser
- PLS SLD Detector
- Compact Carrying Case
- Wall Bracket
- PLS180 Pouch
- Operating Manual



PLS HVL100 SYSTEM

PLS HVL100 SYSTEM

360 DEGREE HORIZONTAL & VERTICAL LINES; FULLY SELF LEVELING

The HVL 100 line laser tool is fully self leveling with horizontal and vertical lines for multiple applications. Ideal for:

- Interior remodeling
- Ceramic tile
- Layout
- Electrical /HVAC
- Wallpaper



Use outside also with our SLD laser receiver.

PLSHVL100 SPECIFICATIONS

- Accuracy: +/- 1/8" @ 60' (+/- 3 mm @ 20 meters)
- Power supply: Rechargeable NiMH batteries
- Dimensions: 8" x 3 3/4" x 11 1/2"
- Range: 100' (30 meters) w/optional SLD receiver
- Self Leveling Range: +/- 4° Class II Laser Product

THE PLSHVL100 SYSTEM INCLUDES:

- PLS HVL 100
- 4 NiMH Batteries
- SLD Receiver (optional)
- Wall Bracket
- Layout Targets
- Adjustable Turning Base
- Carrying Case
- Operating Manual
- One Year Warranty

PLS² TOOL

HORIZONTAL-VERTICAL LAYOUT

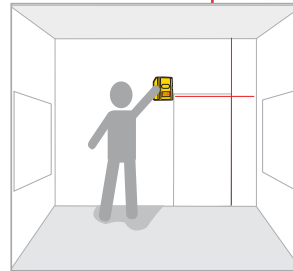
The PLS 2 Palm Laser is a simple, easy solution for short and mid-range interior horizontal and vertical layout tasks. This compact, laser line tool is brighter than most rotary lasers at a fraction of the cost. Save time everyday in layout and installation.

Self leveling, accurate and durable.



PLS² TOOL

- FRAMING
- CABINETRY
- TILE



- CERAMIC TILE
- WINDOWS & DOORS
- CHAIR RAILS

PLS² SPECIFICATIONS

- Accuracy: +/- 1/8" @ 30' (+/- 3mm @ 10 meters)
- Weight: 10 oz. (.28 kg.) (including batteries)
- Power supply: 3 AA batteries
- Dimensions: 2" x 2 7/8" x 3 3/8"
- Range: 60' (20 meters)
- Self Leveling Range: +/- 6°
- Operating Time: +25 Hrs. Continuous Class II Laser Product

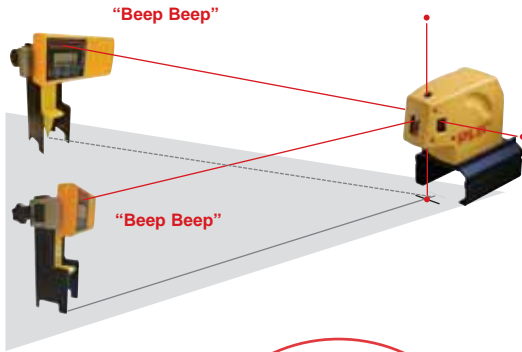
THE PLS² TOOL INCLUDES:

- Pouch
- Batteries
- One Year Warranty
- Magnetic Wall Bracket
- Operating Manual

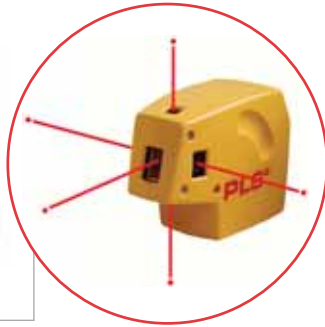
PLS5 AND PLS3

PROVIDE POINT-TO-POINT ALIGNMENT INFORMATION

Lay out reference points faster than traditional, labor intensive methods. No more swinging plumb bobs. Plumb instantly from floor to ceiling or from 50 feet off the ground! Use PLS as your partner on the jobsite. Self-leveling: no time wasted with bubble vials. Turn it on and go to work. Take clear, stable reference points indoors and outdoors.



PLS5

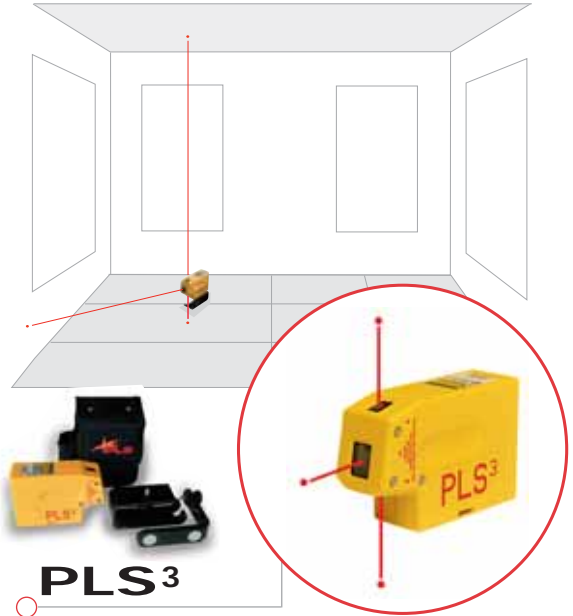


PLS5

EXTERIOR SYSTEM

The PLS5 is designed for layout of control points and lines for interior projects or in outdoor conditions with bright sunlight. Working range is 250+ feet with an accuracy of +/- 1/8" at 100 feet. Lay out conduit, anchor bolts and square on slab. Use the PLS5 inside for traditional plumb, level and square references.

PLS5 and PLS3 are both compact, lightweight, durable and portable. Designed by contractors, for contractors.



PLS3

PLS5 AND PLS3 SPECIFICATIONS

	PLS5	PLS3
• Working range:	+/- 100' (+/-30 meters)	+/-100' (+/-30 meters)
• Accuracy:	+/- 1/8" @ 100' (+/- 3mm @ 30 meters)	+/- 1/4" @ 100' (+/- 6mm @ 30 meters)
• Leveling range:	8"	6"
• Power supply:	3 AA batteries	3 AA batteries
• Operating time:	+ 30 hrs. continuous	+ 30 hrs. continuous
• Dimensions:	2" x 4" x 4-3/4"	1 1/2" x 4 1/4" x 3 1/8"
• Weight:	1.13 lbs. (.52 kg)	12 oz. (.33 kg.)

THE PLS5 TOOL INCLUDES:

- PLS5 Laser
- Wall Bracket
- Pendulum Layout Target

THE PLS5 SYSTEM INCLUDES:

- PLS HVD Detector

THE PLS3 LASER TOOL INCLUDES:

- PLS3 Laser
- Operating Manual
- Wall Bracket

- Floor Stand
- Carrying Pouch
- Compact Carrying Case
- Operating Manual

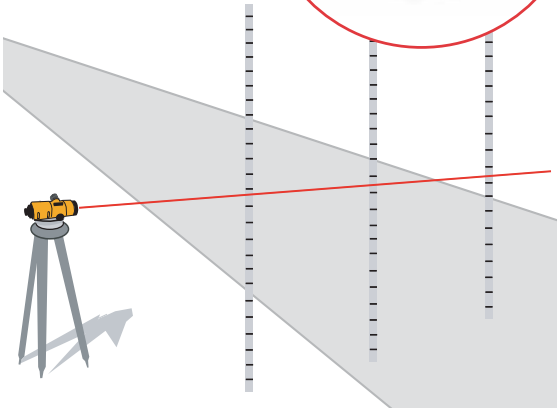
PLS5 and PLS3 are Class II Laser Products

PLS 24X AUTOMATIC OPTICAL LEVEL

Traditional optical level for general construction layout. Rugged cover for weather and dust resistant usage. High quality optics. Automatic compensator, light weight.



PLS 24X



PLS 24X SPECIFICATIONS

- Magnification power 24X
- Clear Objective Aperture
- Working Range 150'(46 meters)
- Accuracy +/- 1/16" at 100' (+/- 1.5 mm @ 30 meters)
- 1 Year Warranty

PLS HVR 1000 HEAVY WORKLOAD, LONG RANGE ROTARY LASER

This proven rotary laser, made for PLS in Germany, is fully self leveling with an accuracy of +/- 3/32" inch at 100 feet. 1000 feet radius with horizontal and vertical applications. We recommend this rotary laser for exterior general construction applications; the PLS HVR 1000 can handle the toughest environments.



- BASIC SLOPE PROJECTS
- CONCRETE FORMS
- LARGE PADS
- ELEVATIONS



PLS HVR 1000

PLS HVR 1000 SPECIFICATIONS

- Accuracy: +/- 3/32" @ 100' (+/- 2.4mm @ 30 meters)
- Range: 1000' Radius (305 meters)
- Power supply: NIMH Rechargeable
- Self Leveling Range: 5°
- Dimensions: 5 1/2" X 5 1/2" X 6 3/4"

Class IIIa Laser Product

THE PLS HVR 1000 SYSTEM INCLUDES:

- PLS HVR 1000
- PLS HVD 1000 Detector
- Two Year Warranty
- RC 1000 Remote
- Operating Manual
- Re-charger
- Ceiling Bracket
- Carrying Case

PLS HVR 505 R MID RANGE ROTARY LASER

The PLS HVR 505 R is a compact, mid range red beam rotary laser designed for light commercial, residential, and remodeling projects. Horizontal and vertical applications; the PLS HVR 505 R is versatile for short and mid range layout with an accuracy of +/- 1/8 inch at 100 feet.



- ACOUSTIC CEILINGS
- LANDSCAPE
- DECK & POOLS
- METAL FRAME
- CARPENTRY
- CONCRETE PADS



PLS HVR 505 R

PLS HVR 505 G MID RANGE ROTARY LASER

The PLS HVR 505 G is a compact, mid range green beam rotary laser designed for light commercial, residential, and remodeling projects. Horizontal and vertical applications; the PLS HVR 505 G is versatile for short and mid range layout with an accuracy of +/- 1/8 inch at 100 feet.



**HIGHLY VISIBLE
GREEN BEAM IDEAL
FOR INTERIOR PROJECTS**

- ACOUSTIC CEILINGS
- METAL FRAME
- CARPENTRY
- CURTAIN WALLS



PLS HVR 505 G

PLS HVR 505 R SPECIFICATIONS

- Accuracy: +/- 1/8" @ 100' (+/- 3mm @ 30 meters)
- Power supply: NIMH Rechargeable • Self Leveling Range: 5°
- Range: 500' Radius (152 meters)
- Dimensions: 5" X 4 3/4" X 6" Class II Laser Product

THE PLS HVR 505 R SYSTEM INCLUDES:

- PLS HVR 505 R
- Carrying Case
- Ceiling Bracket
- PLS HVD 505 R Detector
- Operating Manual
- Re-charger
- PLS RC 505 R Remote
- One Year Warranty

PLS HVR 505 G SPECIFICATIONS

- Accuracy: +/- 1/8" @ 100' (+/- 3mm @ 30 meters)
- Power supply: NIMH Rechargeable • Self Leveling Range: 5°
- Range: 500' Radius (152 meters)
- Dimensions: 5" X 4 3/4" X 6" Class III Laser Product

THE PLS HVR 505 G SYSTEM INCLUDES:

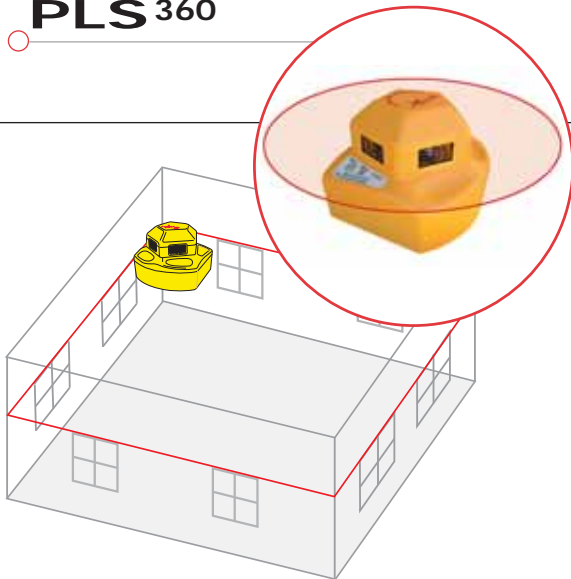
- PLS HVR 505 G
- Carrying Case
- Ceiling Bracket
- PLS HVD 505 G Detector
- Operating Manual
- Re-charger
- PLS RC 505 G Remote
- One Year Warranty

PLS360 TOOL

360 DEGREE INTERIOR-EXTERIOR LASER LEVEL

Fully self leveling, the PLS360 provides you with a 360 degree horizontal line of reference. The PLS360 offers one-button application that is accurate and rugged for indoor-outdoor applications. Unlike rotary lasers this compact, bright and durable tool has no complicated features or multiple knob adjustments. The PLS360 simplifies your work day with the press of a button. How long does it take you to set up your rotary laser?

PLS 360



- ACOUSTIC CEILINGS
- HVAC
- CABINETS
- CHAIR RAILS
- FIXTURES



- DECKS *



- FOUNDATIONS *
- SWIMMING POOLS *
- LANDSCAPING *

PLS360 SPECIFICATIONS

- Accuracy: +/- 1/8" @100' (+/- 3mm @ 30 meters)
- Range: 200' (61 meters)*
- Power Supply: 3 D Batteries
- Operating Time: +35 Hrs Continuous
- Dimensions: 3 1/8"x5"x4 1/2"
- Leveling Range: 6°
- Weight: 2.0lbs.

THE PLS360 TOOL INCLUDES:

- PLS360 Laser
- Wall Bracket
- Compact Carrying Case
- Operating Manual

Class II Laser Product

***The PLS360 System is designed for exterior use with exclusive PLS SLD Detector.**

PLS90 TOOL

90 DEGREE INTERIOR EXTERIOR LAYOUT LASER

Fully self leveling, the PLS90 is a unique laser level dedicated to the most challenging layout task in the field. No more 3-4-5. Use your PLS90



and our universal base-tripod adapter for fast, accurate and dependable square layout for flooring-tile, framing (metal stud or wood), concrete foundations, pads and so much more.

Commercial, Residential and Remodel.

Bright sunlight or interior applications, the PLS90 will be on the floor or on your tripod to save you time and improve your bottom line.



PLS90

PLS90 SPECIFICATIONS

- Accuracy: +/- 1/8" @ 100' (+/- 3mm @ 30 meters)
- Weight: 1.7 lbs (.77 kg.)
- Power supply: 3 AA batteries
- Dimensions: 5" x 2 1/4" x 4 1/2"
- Multiple Functions
- Range: 250' (76 meters)
- Self Leveling Range: 6°
- Operating Time: +30 Hrs.
- Continuous
- Class II Laser Product

THE PLS90 TOOL INCLUDES:

- PLS90 Laser
- Compact Carrying Case
- Operating Manual
- Universal Base
- Red Magnetic Laser Targets

PLS90 SYSTEM

INTERIOR-EXTERIOR LAYOUT LASER

IDEAL FOR SQUARE LAYOUT IN OUTDOOR OR BRIGHT LIGHT APPLICATIONS

Concrete slab or foundations are set up quickly using the PLS90 System. Set the PLS90 on a tripod, batter board or straight edge using our PLS90 universal base.



- TILE
- METAL STUDS INTERIOR-EXTERIOR
- WOOD FRAMING ON SLAB
- ANCHOR BOLTS
- FOUNDATION ON SLOPE
- CONCRETE SLAB
- MASONRY
- BRICK
- DECKS AND PATIO
- CURTAIN WALLS
- FENCES

THE PLS90 SYSTEM INCLUDES:

- PLS90 Tool
- PLS SLD Detector
- Operating Manual
- Universal Base
- Compact Carrying Case
- Floor Target



PLS ACCESSORIES DESIGNED TO INCREASE UTILITY OF YOUR PLS LASER ALIGNMENT TOOLS

PLS EXTERIOR REFLECTIVE TARGET

Use this reflective target to capture the lines of our PLS 90 and PLS 180 for outdoor layout projects.



PLS HVD LASER DETECTOR

Marry this detector with our PLS pendulum layout target to capture our PLS5 reference points outside in bright sunlight. Best used close to or on concrete slab. Included with PLS5 System.



PLS TRIPOD 5/8-11

This PLS tripod is primarily used with the PLS90, PLS24X or PLS HVR rotary lasers.



PLS ELEVATOR TRIPOD SHORT PACKAGE- LONG REACH

This dual tip elevator tripod may be used with all PLS products. It fully extends to 9'6" (2.74 Meters) with leveling bulls-eye, & inter-locking legs. Light-weight and durable.



PLS SLD LASER DETECTOR

Use this exclusive PLS Detector to capture the lines of the PLS180, PLS360, HVL100 and PLS90. This detector cannot be used with rotary lasers or the PLS5.





PLS ACCESSORIES DESIGNED TO INCREASE UTILITY OF YOUR PLS LASER ALIGNMENT TOOLS

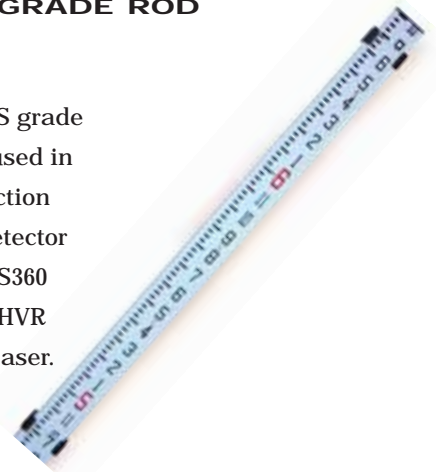
PLS MAGNETIC WALL BRACKET

This standard magnetic wall bracket is included with PLS5, PLS3 and PLS180.



PLS GRADE ROD

The PLS grade rod is used in conjunction with detector and PLS360 or PLS HVR rotary laser.



PLS90 UNIVERSAL BASE TRIPOD ADAPTER

Use this PLS90 universal base-tripod adapter with your PLS90 to set up on the floor, on a tripod or on batter board.



PLS TRIPOD ADAPTER

Convert your traditional rotary laser tripod to use your PLS180, PLS3, PLS5, or PLS360.



Your PLS laser will include accessories that help you get the most value from your purchase.

Replacement or additional accessories are available through your authorized PLS dealer.