

EXTERIOR LASER LEVELS

The right laser for the right application.

Cavalier Industries Ltd.

Decoding Spectra Lasers:



Type:
LL - Laser Level
HV - Horizontal Vertical
GL - Grade Laser
DG - Dial Grade Pipe Laser
UL - Universal Laser

Accuracy and Range:
Level ranges from 1 - 7; one being the lowest, and 7 being the highest.

Slope:
Single or Dual Axes Operation
1 - Single Slope
2 - Dual Slope

Remote:
1 - Includes remote in package - one way com.
2 - includes remote in package - two way com.



BUILT FOR REAL LIFE:

Spectra Lasers are built to withstand severe drops of up to 3 ft (1 m) directly onto concrete, or up to 5 ft (1.5 m) when pushed over on a tripod means less downtime and cost due to damage caused by accidental drop or tip-over.

Visit us at www.spectralasers.com for datasheets & application videos.



LL100
Leveling crew in a case.
Leveling accuracy:
±1/8 in at 100 ft (±3 mm at 30 m)
Operating diameter:
1,000 ft (300 m)

HR320 Receiver: reliable laserometer



LL300
Medium Range
Leveling accuracy:
3/32" /100 ft (2.2 mm per 30 m)
Operating diameter:
400m (1,300ft)

HL450 Receiver: Large Receiver window



LL500
The Industry standard for decades.
Leveling accuracy:
±1.5mm at 30m (±1/16in at 100ft)
Operating diameter:
500m (1,600ft)

HL700 Receiver: Large 5" receiver window



LL400
Long Range Laser Level
Leveling accuracy:
±1.5mm at 30m (±1/16in at 100ft)
Operating diameter:
800m (2,600ft)

HL700 Receiver: Large 5" receiver window



GL412/422:
Single/Dual Grade Laser
Leveling accuracy:
± 1.5 mm @ 30 m (1/16" @ 100 ft)
Grade accuracy/ range: 1.5 mm @ 30 m (1/16" @ 100 ft) / -10 to +15% Dual Axes (GL422)
-10 to +15% Single Axis (GL412)
Operating diameter
800 m, 2600 ft (GL422)
600 m, 2000 ft (GL412)

HL700 Receiver: Large 5" receiver window

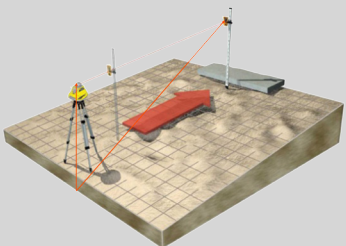


GL622:
Dual Grade Laser High Accuracy
UL633:
Universal Laser Pipe Laser Dual Grade Interior Laser
Leveling accuracy:
± 0.5mm, 1/16" @ 100 ft
Grade accuracy: ± 1.0 mm/10 m, 1/8" @ 100 ft
Operating diameter:
800 m (2600 feet) with detector
The UL633 is the most versatile construction laser available. It is the first construction laser to enable the total control of all three axes (X/Y/Z).

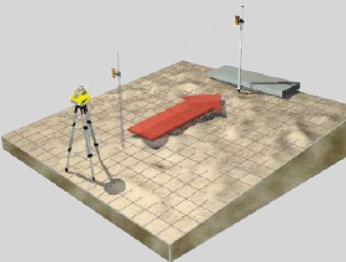
HL750 Receiver: Two way laserometer with radio communication / monitoring.



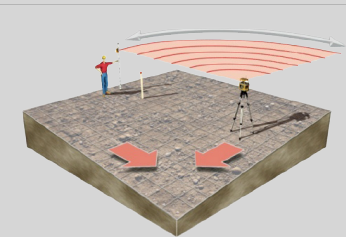
Grading Applications:



Grade Matching designed to match existing grades with the push of a button.



Single Slope set grade on one axis at a time.



Dual Slope two slopes on separate axis at the same time



DG511 and DG711: Pipe Laser

Largest range of self leveling pipe laser in the industry.
Range: -15% to +40%
Through the Pipe Range: 225 m (750 ft)
Front / Over the Top Range 150 m (500 ft)
Rear Range 10 m (30 ft), One Year Warranty
DG711 also includes Line Set/Check, Line Alert, Temperature Compensation and a two year warranty.



Patented Laserometer Range:
Spectra Precisions Digital readout Technology easily determines cut and fill measurements.
Metric and Imperial units.
All receivers are sealed to IP67 for long term durability and performance.



Grade and Universal Lasers: Feature an easy to read display.
Quick menu for fast operations.
Simple, intuitive. to command push button technology.
Advanced menu options.



*on select products
Cavalier Industries Ltd.
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www.cavalier-industries.ca

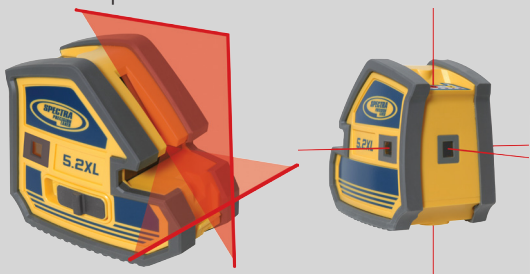
INTERIOR LASER LEVELS

The right laser for the right application.
Cavalier Industries Ltd.

Visible Beam Lasers:

Spectra Precision produces some of the industry's brightest cross-line lasers for easy viewing in all conditions.

Lasers can dramatically increase the efficiency, productivity, and overall quality by providing accurate operation.



Spectra Precision lasers offer the most complete laser portfolio the industry - we have the right products for your application.

LP30
3 Beam Pointer

Visible Range: 100 ft (30 m)
Accuracy: $\pm 1/16$ in @ 17 ft (1.5 mm @ 5 m)

LP50
5 Beam Pointer

Pointers are Versatile – replaces a square, plumb bob, level, optical instrument in the toolbox

Visible Range: 100 ft (30 m)
Accuracy: $\pm 1/16$ in @ 17 ft (1.5 mm @ 5 m)

LT20
2 Beam Line Generator

- Self-leveling for quick and accurate setups
- Bright beams for good visibility even in bright conditions
- Horizontal only, vertical only or both together

Visible Range: 100 ft (30 m)
Accuracy: $\pm 1/16$ in @ 17 ft (1.5 mm @ 5 m)

5.2XL
5 Point & Cross-line Laser

- Two tools in one – horizontal and vertical cross-lines, plus a 5 beam laser pointer
- Self-leveling for accuracy – beam flashes if it gets knocked or bumped out of level
- Bright laser points are sharp, focused and easy to mark thanks to patented technology

Visible Range: 100 ft (30 m)
Range with Receiver: 250 ft (75 m)
Accuracy: $\pm 1/16$ in @ 17 ft (1.5 mm @ 5 m)

LT56
Universal layout tool - 360°

- Bright crisp laser lines extends the working range and are easy to see
- Lithium-Ion batteries provide 25-45 hour operating time
- Wide fan beam angles
- Bright lines – easy to see even in areas with bright light
- Horizontal plane and 2 vertical planes 90 degrees

Visible Range: 100 ft (30 m)
Range with Receiver: 250 ft (75 m)
Accuracy: $\pm 1/16$ in @ 17 ft (1.5 mm @ 5 m)

HV101
Horizontal Vertical Laser

Everything you need for better productivity in acoustical ceiling installation, drywall installation, squaring/layout, interior finishing work and residential or light commercial construction

- Versatile – can be used indoors or outdoors for total productivity
- Automatic self-leveling in both horizontal and vertical planes increases productivity on.

Visible Range: 200 ft (60 m) dia
Range with Receiver: 250 ft (75 m)
Accuracy: $\pm 1/16$ in @ 50 ft (1.5 mm @ 15 m)

HV301G
Green Beam rotating interior lasers

- High visibility green beam is four times more visible than standard red beam lasers allowing work at longer distances and in brighter conditions
- Automatic self-leveling in horizontal and vertical applications increases productivity with fast setups and minimal training
- Durable construction can withstand tough jobsite conditions
- Temperature compensation for accurate use throughout the day

Visible Range: 250 ft (75 m)
Range with Receiver: 825 ft (250 m)
Accuracy: $\pm 3/32$ " at 100 ft (± 2.2 mm at 30 m)



GREEN BEAM LASER

The superior visibility of the green beam is useful for extended working ranges or in bright conditions. The beam stays visible for efficient work in these less than ideal conditions.

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Optical Instruments:

The AL2XX series automatic levels are designed for a variety of elevation control and alignment tasks including general building construction, cut and fill measurements, area leveling, and landscaping.



Quick Measure:

Designed as fast, accurate laser distance meters designed for indoor and outdoor use. Ranges up to 650 feet (200m). Large backlit LCD screens readable in any condition.



Horizontal / Vertical Lasers

Horizontal/Vertical Self-Leveling lasers will self level in either vertical or horizontal position.

All HV lasers are visible beam lasers for use inside.

DET2 Theodolite

The Spectra Precision DET2 is a rugged, cost-effective theodolite designed to give accurate angle measurements in general construction applications. Optics by Nikon.



DR400 DigiRod

The Trimble Spectra Precision DR400 DigiRod is a combination laser receiver with digital readout, laser distance meter and built-in tilt sensor to take rod-less, accurate grade readings.

Emulate various grade rods including direct elevation rods, cut/fill rods and indirect reading rods.

Distance laser measures up to 160 ft. with an accuracy of $\pm 1/16$ in. means.

Spectra Precision Warranties:

1. "No Excuses" Free, Over-the-Counter Exchange Warranty
 - a. Free, instant exchange for 1, 2 or 3 years depending on model
 2. Supplemental Over-the-Counter Exchange Warranty: Nominal Fee charged for the remainder of a 3-year term after the "No Excuses" Warranty coverage
 3. Standard Repair Warranty (3 and 5 year) (see warranty support document for detailed information)