

Handheld Laser Layout Tools



**One-Person
Measuring,
Leveling,
Squaring, and
Plumb.**

- Easy-to-use
- Accurate
- Reliable

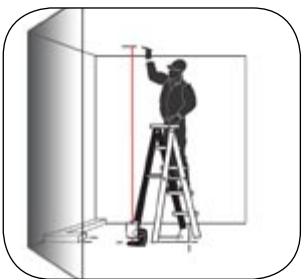
Level, Plumb, Square or Layout

Spectra Precision® Laser tools are ideal for practically any positioning, measuring or alignment application—including layout; putting in new floors, decks, walls and ceilings; and the installation of fixtures.

Using the Spectra Precision Laser LG2 line generator; LP20 and LP40 laser pointers; the 1422 horizontal/vertical laser; and the HD150 handheld distance meter, you can quickly and easily perform a range of interior and exterior layout work with just one person. The lasers are extremely accurate, especially when compared to using plumb bobs, string lines, chalk lines, tape measures, etc.

All products have a variety of accessories available such as a universal mounting accessory, and tripod mount adapters. All operate on alkaline batteries (included).

For applications where you need fast, accurate and reliable level, plumb, square layout or measurements, use one of these automatic self-leveling laser tools to save you time and increase your accuracy.



Transferring point with LP20



New wall with LP40

Choose the right tool for your needs

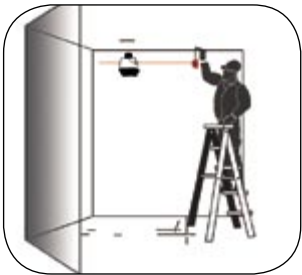
Application	LG2	LP40	LP20	1422	HD150
Squaring and layout of partitions, walls and tile floors	●	●		●	
Plumb reference and point transfers from below to above, such as walls, door frames and lighting locations measured from the floor layout to the ceiling		●	●	●	
Level reference used for leveling cabinets, counter tops, windows, decks, ceilings and chair rails		●		●	
Simultaneous level and square reference used for decks, residential foundations, footers and anchor bolt placement		●		●	
Measuring distances					●
Measuring areas and volumes					●
Measuring depths and heights					●



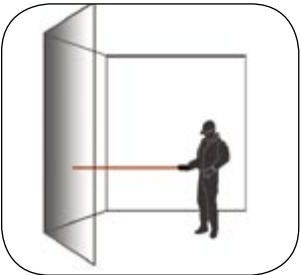
Level and square foundations with the LP40



Layout walls, tile and carpet with LG2



Install ceilings with 1422



Measuring distances and area with the HD150

Rugged and Dependable

LP20

Highly visible, and durable self-leveling, dual-beam pocket laser for plumb up/down applications

Using the Spectra Precision Laser LP20, one person can accurately transfer a point from the floor to the ceiling up to 30 m (100 ft) high in just seconds. Unlike other lasers, the LP20 can take up to a 1 m (3 ft) drop onto concrete and can still be accurate. Ideal for the installation of overhead fixtures and plumbing walls or metal studs, the LP20 is very easy to use. Simply place it on the floor and turn it on. LP20 features a self-leveling mechanism which automatically levels the beam before you reach the top step of the ladder. Waiting for a plumb bob to settle is a thing of the past!



LP40

Rugged self-leveling, four-beam pocket laser for plumb up/down, level and square applications

The versatile Spectra Precision Laser LP40 is a self leveling plumb up/down, level and square beam pocket laser. Offering unmatched durability, the versatile LP40 is ideal for a range of applications including installation of fixtures, putting in walls and leveling foundations. The LP40 projects four beams up to 30 m (100 ft) and can survive a drop of up to 1 m (3 ft) onto concrete and still provide consistent accuracy. One beam points up while another points down to create a plumb up and plumb down reference. The other two beams are offset at 90 degrees to each other, pointing out horizontally to create level and square reference points. The LP40 also features a self-leveling mechanism for consistent repeatability so you can be sure your positioning is accurate. Built-in magnets allow the LP40 to be securely fit right to drywall track.



LP40-1

All the features and benefits of the LP40 plus a complete set of universal mounting accessories packed in a ruggedized case

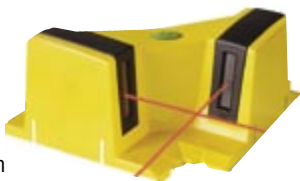
The versatile Spectra Precision Laser LP40-1 is a universal accessory package. Additional accessories such as the universal mount allow a contractor to use the LP40 for the installation of accoustic ceilings, or attach the LP40 directly to steel studs or columns for elevations and 4 ft marks. The universal mount allows the unit to be attached to a $\frac{1}{4}$ -20 mounting thread for additional applications. The LP40-1 contains the LP40 in a hard-carrying case with the universal mount, red laser glasses, metal ceiling grid plate, pouch, 2 red flex targets, and multi-language operator's manuals.



LG2

Simultaneous 90° lines for interior layout and squaring

Increase your layout quality and efficiency with the Spectra Precision Laser LG2 layout tool. Designed as a general contractor's tool with the layout professional in mind, this simple, easy-to-use tool generates two lines on the floor at a 90-degree angle. Unlike lines drawn from chalk, the LG2 projects over wet mastic or concrete. Precise angles of 90, 67.5, 45, and 22.5 degrees are easily generated with our built-in protractor. Using the LG2 layout tool, you can increase layout productivity.



1422

Manual Leveling Horizontal, Vertical, and Plumb Laser

The Spectra Precision Laser 1422 features a visible laser beam and rugged waterproof construction. This versatile tool is useful for many residential or small commercial construction leveling, layout, alignment and ceiling installations.

Use the variable rotation speed or beam scan, along with a camera or construction tripod, to adjust this laser to meet your specific job requirements.

The 1422 can be used with any laser receiver, such as the HR100, HR300, and HR500, either as a handheld for marking applications, or mounted to a grade rod for elevations.



HD150

Accurate and safe distance measurement to hard-to-reach locations

The Spectra Precision Laser HD150 handheld distance meter is an easy-to-use, portable tool that includes a data display screen and a nine-button keypad. Using laser technology, the HD150 allows you to easily and safely measure distance, area and volume, whether indoors or outdoors. Since no physical contact with the distance target is required, it is ideal for one-person measuring to difficult-to-reach or hazardous locations such as those in high places, over obstacles or in elevator shafts or open stairwells.





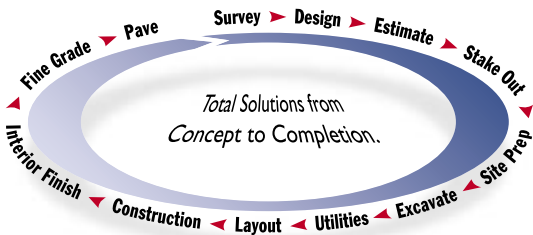
SPECIFICATIONS

	LP40/LP20	LG2	1422	HD150
Size (L×W×H)	11.8 × 11.1 × 6.7 cm (4.7 × 4.3 × 2.6 in)	356 × 305 × 203 mm (14 × 12 × 8 in)	140 × 120 × 140 mm (5.5 × 4.75 × 5.5 in)	180 × 45 × 80 mm (7.09 × 1.77 × 3.15 in)
Weight	0.4 kg (0.8 lb)	1.3 kg (2.87 lb)	1 kg (2.2 lb)	0,5 kg (1.2 lb)
Self-Leveling Range from Level	±4 degrees	NA	NA	NA
Leveling Method	Self-leveling	Manual	Manual	NA
Out of level indicator	Beam Flashes	NA	NA	NA
Working Range	20 to 30 m (60 to 100 ft)	15 m (50 ft) nominal up to 30 m (100 ft) depending on light conditions	Up to 200 m (660 ft) with receiver and 60 m (200 ft) visually	150 m (500 ft)
Accuracy	±6 mm at 21 m (±¼ in at 70 ft) for up beam, ±6 mm at 30 m (±¼ in at 100 ft) for level and square beam, ±1 mm at 0.5 m (±1/16 in at 2.5 ft) for down beam	±6 mm at 15 m (¼ in at 50 ft)	±8 mm at 30 m (±5/16 in at 100 ft)	±2 mm (±1/8 in)
Operating temperature range	-10 °C to 45 °C (14 °F to 113 °F)	0 °C to 45 °C (32 °F to 113 °F)	-5 °C to 45 °C (23 °F to 113 °F)	-10 °C to 50 °C (14 °F to 122 °F)
Battery Type	4 × AA alkaline batteries	2 × C batteries	2 × 1.5 V D-cell alkaline batteries	4 × AA batteries
Battery Life	40 hours	30 hours	40 hours	30,000 Readings
Diode	LP40 – 635 nm LP20 – 650 nm Class 2 Laser Diode	635 nm Class 2 Laser Diode	Class 3A (USA only) Class 2	635 nm Class 2 Laser Diode
Contains	LP40/LP20: Carrying pouch, multi language owner's manual, 4 × AA alkaline batteries, and 2 × large alignment targets. LP40-1: LP40 in a hard carrying case with the universal mount, 4 × AA alkaline batteries, red laser glasses, metal ceiling grid plate, pouch, 2 × large alignment targets, multi- language operator's manual	Operator's manual, 2 × C batteries, laser target plate, and beam enhancing glasses	Carrying bag, magnetic target, wall mount, laser glasses, operator's manual	Carrying pouch, operator's manual, 4 × AA alkaline batteries



Spectra Precision Laser

Well known for their innovative features and rugged dependability, Spectra Precision Lasers are used by more construction professionals around the world than any other brand. Spectra Precision Lasers are part of the Trimble family of Concept-to-Completion positioning solutions for construction, machine control and survey, and are supported globally by the strongest service and support network in the industry.



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