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Spectra Precision Laser Dealer Confidential

New Spectra Precision[®] Laser GL412 and GL422 Grade Lasers

Rugged New Grade Lasers with Two-Way Radio Remote Offer Superior Grade, Level and Vertical Capabilities

The Spectra Precision[®] Laser GL412 single grade and GL422 dual grade laser transmitters are cost-effective automatic self-leveling lasers that do three jobs—level, grade and vertical alignment with plumb.

The GL412 and GL422 send a continuous, self-leveled 360-degree laser reference over your entire work area, and have a wide grade range of -10 to +15 percent, so they can be used for a range of slope applications.

Both the GL412 and GL422 come with a two-way, full function remote control with a built-in, backlit grade display. You can do everything with the remote control that you can do at the laser key-pad including grade reverse on both axes, up to 100 m (330 ft) away from the laser, even from the cab of the machine! The ability to make grade changes from anywhere on the job greatly reduces setup time and speeds operation, especially when multiple job grade breaks are needed.

You can use these versatile grade lasers with a Spectra Precision Laser HR550 Receiver at an operating diameter up to 800 meters (2,600 feet), or with the Spectra Precision Laser CR600 Laser Receiver. The CR600 can be handheld or mounted on a machine for fast, easy machine control display. The combination of the single and dual grade versions, plus the two-way radio remote control, and the two-year warranty make the new Spectra Precision Laser GL412 and GL422 grade lasers an excellent value.

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GL412 and GL422 Grade Lasers Key Features and Benefits

Features	Benefits
Fast and easy horizontal level, grade and vertical plumb setup with no manual leveling	Saves labor and associated costs by reducing setup and re-leveling time
Two-way radio remote control to set up and change settings on the grade laser without actually going to the laser	Easy setup provides fast payback and allows grade changes from anywhere on the jobsite
Automatic temperature and grade compensation	High accuracy in any weather conditions or geographical location eliminates rework
The GL422 features a very long operating diameter of 2600 feet (800 meters)	Increased machine control capability reduces setups over the jobsite
Rugged; Withstands drop of up to 3 ft (1 m) on to concrete	Withstands normal construction site conditions and has low service costs
Laser beam can be turned off electronically on up 3 sides of your choice	Eliminates interference with other crews on the jobsite by keeping the beam from straying into other work areas
Self plumbs in the vertical position	Increases range of applications such as anchor bolt installation, plus form, tilt up and curtain wall plumbing

Typical Applications

- General construction level such as forms, footers and pads
- General construction grade and excavating
- General construction vertical alignment and plumb for anchor bolt installation, plus form, tilt up and curtain wall plumbing
- Concrete sections with runoff for sports fields, tennis courts and driveways
- Steep slope road embankments and ditch banks
- Parking garages, ramps and drainage

Target Customers

The Spectra Precision Laser GL412 and GL422 horizontal and vertical self-leveling/plumb grade lasers provide a complete product solution for the following contractors:

- Concrete
- Landscaping
- Commercial excavating
- Leveling and grade
- Parking garage

- Mini-mart
- Sports field, tennis courts and golf course

Marketing Materials

The following materials have been created to assist you with sales:

Marketing Materials	Part Number/Availability
GL412 and GL422 Data Sheet	022485-807 (orderable from Corigraphics when product is released)
GL412 and GL422 Product Bulletin (this document)	022482-679
GL412 and GL422 Product Presentation	At product release
GL412 and GL422 Hands-On Training Presentation	At product release
GL422 and GL722 Application Matrix	At product release

GL412 and GL422 Key Specifications

Specification	GL412 Single Axis Grade Laser	GL422 Dual Axis Grade Laser
Laser Type / Classification	3 mW 650 nm, Class 2	<5 mW 635 nm, Class 3A/3R
Drop Height on Concrete	1 m (3 ft)	1 m (3 ft)
Operating Diameter (with HR550 Receiver)	600 m	800 m
Compensation Method	H/V Electronic Self Leveling	H/V Electronic Self Leveling
Temperature Compensation	Yes, every 5 degrees C	Yes, every 5 degrees C
Level / Vertical Accuracy	10 arc seconds (1.5 mm @ 30 m 1/16" @ 100 ft)	10 arc seconds (1.5 mm @ 30 m 1/16" @ 100 ft)
Grade Range (unit must be tilted to level above 9% grade)	-10 to +15% Single Axis	-10 to +15% Dual Axes
Grade Accuracy	0.015% (3 mm@30 m, 1/8" @ 100 ft)	0.015% (3 mm@30 m, 1/8" @ 100 ft)
Grade Resolution	0.001% up to 9.999%, 0.01 % at higher grades	0.001% up to 9.999%, 0.01 % at higher grades
Grade Compensation	Yes	Yes
Remote Control Type	Full 2-way communication, operation and security lock with transmitter	Full 2-way communication, operation and security lock with transmitter
Remote Control Range (w/ RC402)	100 m (330 ft) Radius	100 m (330 ft) Radius
Rotation Speed	300, 600 RPM Selectable	300, 600 RPM Selectable
Transmitter Battery Life (4 X "D" NiMHs)	55 hours	55 hours
RC402 Battery Life (2 X AA Alkaline)	130 hours continuous, 1 year under normal use	130 hours continuous, 1 year under normal use
Mask Mode	User selectable to any window, 3 windows maximum	User selectable to any window, 3 windows maximum
Standby Mode	Yes	Yes

Display Backlight	Yes, auto shutoff after 8 seconds	Yes, auto shutoff after 8 seconds
Mounting Threads	5/8" x 11 Horizontal and Vertical	5/8" x 11 Horizontal and Vertical
Operating Temperature	-20° to +50°C (-4° to 122°F)	-20° to +50°C (-4° to 122°F)
Storage Temperature	-20° to +70°C (-4° to 158°F)	-20° to +70°C (-4° to 158°F)
Dimensions	21L x 18W x 20H CM (8.3L x 7.1W x 7.9T)	21L x 18W x 20H CM (8.3L x 7.1W x 7.9T)
Weight	3.1 kg (6.8 lbs)	3.1 kg (6.8 lbs)

Ordering Information

Model Number	Description	Price
GL412	GL412 Laser Level w/ HR550, NiMH Recharge	\$2,395
GL412-14	GL412 Laser Level w/ CR600, NiMH Recharge	\$2,695
GL422	GL422 Laser Level w/ HR550, NiMH Recharge	\$2,995
GL422-14	GL422 Laser Level w/ CR600, NiMH Recharge	\$3,295

-AU, EU and GB versions are available. A complete price list is available on the Partners website.

Availability

The Spectra Precision Laser GL412 and GL422 Grade Lasers will be available in Q1 2007.

Spectra Precision Laser 1242 Grade Laser To Be Discontinued

The Spectra Precision Laser 1242 family of single grade Laser Levels will be orderable after their inventory is depleted and the Spectra Precision Laser GL412 single-axis Grade Laser is available. A separate communication will be sent out at that time.

Service

The Spectra Precision Laser GL412 and GL422 Grade Lasers are serviced through the Trimble service network. For more information, please check with Customer Support.

Additional Information

Please visit the Partners website at <http://cipartners.trimble.com/> or contact your Regional Sales Manager.