

Depth Display System Benefits

- Wireless system that is easily installed and easily moved from machine to machine
- Real-time dynamic depth display improves the accuracy and productivity of trenching, excavating and grading
- Cost effective system works on any small or mini excavator and backhoes

Dynamic Depth Display System for Compact Equipment



Wireless, Laser-Referenced Systems For High Productivity Excavating and Grading

The Spectra Precision® Laser DDS300 Display System from Trimble introduces a new level of productivity for compact equipment including backhoes, mini-excavators and smaller excavators.

The DDS300 is ideal for a range of excavation work on the building construction jobsite, including the excavation of basements and footers as well as trenching for sewage and utility installation.

The system utilizes wireless, laser and angle sensor technology along with a bright 4 color in cab display to provide dynamic real-time positioning information for the bucket at all times.

This dynamic real-time information allows the operator to excavate, trench, grade or cut profiles more quickly and accurately than traditional laser-referenced machine guidance systems.

The wireless connectivity between sensors on the boom stick and bucket and the in-cab control box eliminate cables, and makes the system extremely easy-to-install---significantly reducing installation time to about an hour.

Used on:

- Mini Excavators
- Backhoes
- Small/Medium Excavators
- Wheeled or Tracked





DDS300 Dynamic Depth Display System for Excavating and Trenching

MORE FLEXIBILITY

The Spectra Precision Laser DDS300 Display System is ideal for contractors and owner operators with multiple machines needing flexibility in their excavating solution. The DDS300 depth display system uses a combination of angle sensors and a laser receiver to provide depth and slope information to meet your needs for simple depth information to complex profile work. Optional sensors are available for excavators using VA booms and tilt buckets. For more flexibility, the laser receiver can be removed and used on another machine for depth display. The system's wireless communications means that you can move the system from machine to machine easily and quickly without dealing with cables.

WIRELESS SIMPLICITY

The components of the DDS300 System are simple in design, but create powerful advantages and features for users. The angle sensors report exact angle position of the boom, stick and bucket via wireless radio signals to the powerful control box. The control box computes the bucket position and displays the information on the 7" color touch screen display. Using the laser receiver as reference allows the user to continue digging without multiple benchmarks.

MORE PRODUCTIVITY

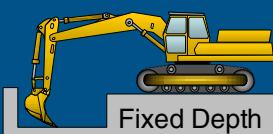
Helping you get to grade faster is the heart of the DDS300 system, but the system can increase your profitability and productivity in more ways than just moving dirt:

- Fast installation and set up
- Laser receiver option eliminates multiple benchmarks
- No grade checker needed, since the display shows you exact bucket location
- Longer continual excavating, since you can work in low light situations
- Lower fuel costs and less wear of equipment by getting each job done faster
- More accurate readings in any position of the arms results in less rework due to "overcuts" and "undercuts"
- Reduced material cost and transport costs
- Reduced risk of damaging electrical, gas and sewage lines
- Multiple applications increases machine and operator flexibility
- A safer working environment; keeps the grade checker away from trench and machine swing area

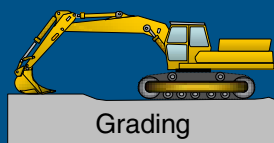


MORE APPLICATIONS: Excavation, Grading, Profiles

Basements



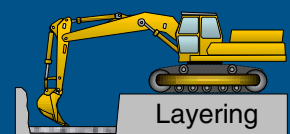
Foundations



Footer



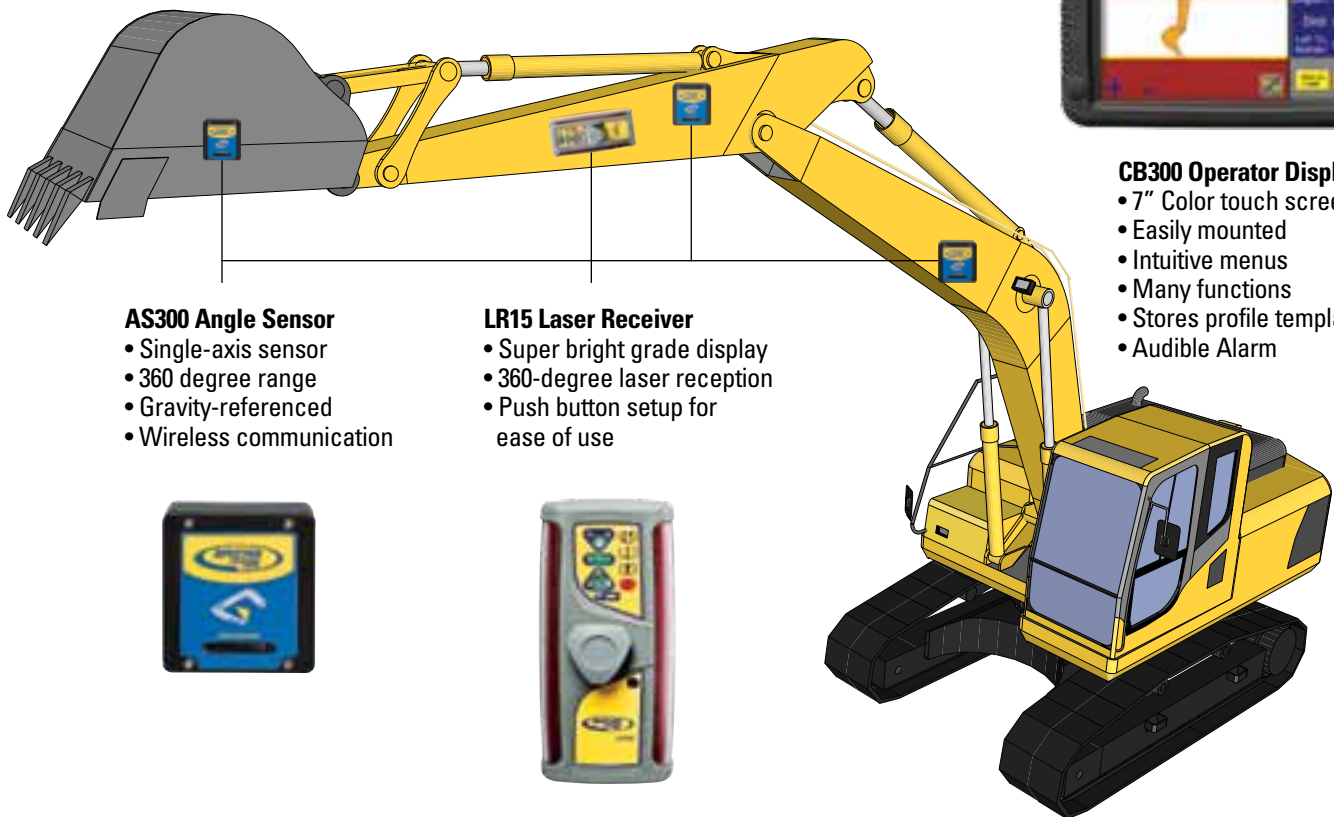
Trenching



Flat Bottom



WIRELESSLY CONNECTED COMPONENTS



AS300 Angle Sensor

- Single-axis sensor
- 360 degree range
- Gravity-referenced
- Wireless communication



LR15 Laser Receiver

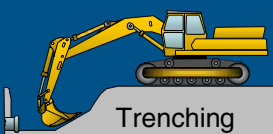
- Super bright grade display
- 360-degree laser reception
- Push button setup for ease of use



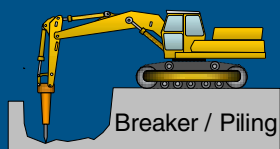
CB300 Operator Display

- 7" Color touch screen
- Easily mounted
- Intuitive menus
- Many functions
- Stores profile templates
- Audible Alarm

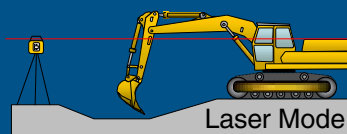
Simple Slope



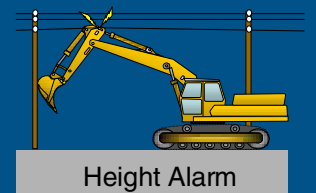
Flat and Simple Slope



Embankments



Canals and Batters





Spectra Precision Laser Rugged Grade Laser Transmitters Built for the Job Site



GL412 / GL422 Single and Dual Grade Lasers

for smaller commercial and residential site prep and general construction

Applications

- Site preparation
- General construction
- Pipe-laying



GL512 / GL522 Single and Dual Grade Lasers

are rugged, cost-effective, automatic self-leveling lasers for grade, and vertical alignment

Applications

- Cut and fill
- Excavation
- Elevation and slope control
- Grade/elevation control



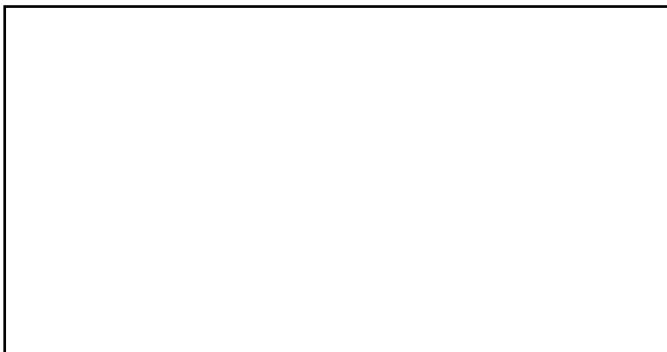
GL710 / GL720 Single and Dual Grade Lasers

with longer range and powerful features for general construction and larger commercial sites

Applications

- Excavating
- Trenching
- Pipe laying
- General construction

Specifications	GL412	GL422	GL512	GL522	GL710	GL720
Level Accuracy	10 arc seconds 1.5 mm @ 30 m (1/16" @ 100 ft)		10 arc seconds 1.5 mm @ 30 m (1/16" @ 100ft)		8 arc seconds 1.2 mm @ 30 m (<1/16" @ 100 ft)	
Grade Range	-10 to +15% Single Axis	-10 to +15% Dual Axes	-10 to + 15% Single Axis	-10 to + 15% Dual Axes	-10 to +10% Single Axis	-10 to +10% (X Axis) -0.500 to +25% (Y Axis)
Grade Resolution	0.001% up to 9.999%	0.01% at higher grades	0.001% up to 9.999%	0.01% at higher grades	0.001% up to 9.999%	0.01% at higher grades
Operating Diameter	600 m / 1950 ft	800 m / 2600 ft	600 m / 2000 ft	800 m / 2600 ft	900 m / 3000 ft	
Laser Type / Classification	3 mW 650 nm, Class 2	<5 mW 635 nm, Class 3A/3R	3mW 650 nm, Class 2	<5mW 635 nm, Class 3A/3R	CDRH II (IECI)	
Rotation Speed	300, 600 rpm		0 (GL522), 300, 600 RPM selectable		300, 600, 900 rpm	
Battery Life	55 hrs		55 hrs		30 hrs NiMH	
Mounting Thread	5/8 x 11		5/8" x 11 Horizontal and Vertical		5/8 x 11	
Operating Temperature	-20° to +50°C (-4° to +122°F)		-20° to +50°C (-4° to 122°F)		-20° to +50°C (-4° to +122°F)	
Dimensions	21L x 18W x 20H cm (8.3L x 7.1W x 7.9H in)		21L x 18W x 20H cm (8.3L x 7.1W x 7.9H in)		19.7L x 25.4W x 29.8H cm (7.75L x 10.0W x 11.75H in)	
Weight	3.1 kg (6.8 lb)		3.1 kg (6.8 lb)		8.5 kg (18.8 lb)	
Remote Control	Full 2-way communication, operation and transmitter security lock		Full 2-way communication, operation and security lock with transmitter		N/A	N/A
Remote Operating Range	100 m (330 ft) radius		100 m (330 ft) radius		N/A	N/A
Remote Battery Life (2 x AA Alkaline)	130 hrs continuous, 1 year under normal use		130 hrs continuous, 1 year under normal use		N/A	N/A



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