

DG211

Applications

- Gravity-Flow Sanitary Pipeline Installation
- Storm Drainage Pipe Installation
- Plumbing Residential Connections
- Can be used in 100 mm (4 inch) Pipe



The Perfect Fit



The Spectra Precision® DG211 is a compact, automatic self-leveling pipe laser used for installing gravity-flow sanitary pipe. With a grade range of -20% to +30%, it can handle a wide variety of jobsite requirements. The compact design is specifically designed to fit in 100 mm (4 in) pipe diameters.

A large, easy-to-read Liquid Crystal Display (LCD) is included that indicates the current grade value, the roll position of the housing, the alignment position of the beam, and the battery status. Large keypad buttons and multiple input modes made it easy to input selections. A remote control is included and operates the laser from up to 150 meters through the front of the pipe.

A durable housing provides total waterproof and dustproof to an IP68 rating.

The laser includes a rechargeable Li-Ion battery pack that provides up to 36 hours of use. Alkaline batteries can be used as a backup to power the laser at the job site, so there is no worry for power issues or forgetting to recharge.

The laser ships with legs to center in 125 mm pipe. The feet are removed to center in 100 mm pipe. Optional sets are available for various sizes of pipe up to 300 mm.

Key Features

- Automatic self-leveling
- Grade Range of -20% to +30%
- Level Accuracy 1.5 mm @ 30m (1/16 inch @ 100 ft)
- Working range of 150 m (500 ft)
- Durable, Waterproof and Dustproof
- Long Li-Ion battery life with alkaline backup
- Remote Control for ease of operation
- Multiple leg set for various pipe diameters
- Roll Alert if pipe laser is moved beyond limit
- 3 Year Warranty

User Benefits

- Easy to operate and set up
- Compact to fit in 100 mm (4 in) pipe; ideal for residential connections
- Remote Control operates long range for ease of operation
- Built for reliability with IP68 environmental rating
- Highly durable design for long life



DG211 Pipe Laser - The Perfect Fit

DG211 Pipe Laser Specification

Accuracy, Level ¹	± 1.5 mm / 30 m (1/16" @ 100 ft.)
Accuracy, Grade ¹	± 9 mm / 30 m (1/4" @ 70 ft.)
Accuracy, Grade, Temperature	± 0.6 mm / 30 m per °Celsius (± 3/128" @ 100 ft.; per 1.8°Fahrenheit)
Operational Area ^{1,2}	Up to 150 m (500 feet)
Laser type	600 – 680 nm
Laser Class	3A/3R OR 2
Grade Range	-20% to +30%
Self-Leveling Range	-10% to +25%
Battery Life Li-Ion pack ^{1,2}	36 hrs
Li-Ion pack charging time	< 6 hrs
Li-Ion pack charging temperature	0°C to 45°C (32°F to 113°F)
Alkaline batteries back up	4 x C-Cells
Operating Temperature	-10°C to 50°C (14°F to 122°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Dust and Waterproof	IP68
Weight	2868 g (6.3 lbs) (includes Li-Ion pack)
Product length	372 mm (14.65 in)
Diameter	96 mm (3.78 in)
Product Dimensions	280 x 180 x 240 mm (11.0 x 7.1 x 9.5 in)
Warranty	3 Years

¹ @ 21°C, 70°F

² Under optimal atmospheric circumstances

RC201 Remote Control Specification

IR operating range (front, through pipe) ^{1,2}	150 m
IR operating range (back) ^{1,2}	10 m
Power source	2 x 1.5 V AA alkaline batteries
Weight	153 g (0.34 lbs) without batteries
Dimensions	148 x 79 x 33 mm (5.83 x 3.11 x 1.3 in)
Warranty	2 Years



Narrow design fits
in 100 mm (4 in) pipe



RC201
Remote Control



Standard package includes DG211 laser, 946 target set, RC201 remote control, legs for 125 mm pipe, P11 Li-ion battery pack, CH11 worldwide charger, spacer for alkaline batteries, and carrying case



Optional Short Leg Set
125mm, 150mm, 200mm
PN 129602-00



Optional Long Leg Set
225mm, 250mm, 300mm
PN 129602-01

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To locate your nearest distributor, please visit the Dealer Locator section at vantage-au.com/spectraprecision
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