

# GeoMax Slope Lasers

## Zone50 Series



### Permanent precision

- Fully automatic Zone50 FA
- Tilt control Hi-Alert
- XY-Axis independently adjustable



### Extensive workrange

- Digital Slope  $\pm 15\%$
- > 500 m Operating range
- Remote control > 400 m\*



### Designed to last

- IP67 submersion proof
- 24/7 permanent operation
- Shock and drop proof

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# Good gets even better: QBL is now GeoMax.

QBL is now GeoMax – a company with 20 years of experience, German engineering skills and the power of the internationally operating GeoMax Group, which is a part of Hexagon. By expanding the product range offered with laser rotators, pipe lasers and machine receivers of proven performance and quality, GeoMax now covers an even wider base for all your construction applications.

GeoMax addresses professional as well as occasional users with easy-to-use, yet highly productive Total Stations, GPS/GNSS instruments, software, optical and digital levels, locators and accessories.

Being part of Hexagon, a leading global provider of measurement technologies with close to 14,000 employees, enables GeoMax to develop state-of-the-art products with outstanding price-to-performance.

GeoMax: Products that “work when you do!”



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## Zone50 Accessories – Quality receivers for dependable results

GeoMax offers a selection of robust and dependable receivers, according to the needs of the application. We cover a wide spectrum: from long range machine control receivers to simple, easy-to-use handhelds.

### Storm ZDD

The digital readout displays the height difference to the laser as soon as it is detected in the 127 mm reception window.



### MR240

Machine control receiver, fixed with extremely strong magnets. Powered by alkaline batteries (up to 160 h) – no cables required.



### QL314S

A very sturdy receiver with additional display on the back side. Powered by rechargeable NiCd batteries. Protection IP67.



### MR360 and MD360 machine control receivers

with separate in-cabin display, connected via radio, powered by built-in rechargeable NiCd batteries – no cables required. Available with clamps or magnets.



### LR 300

Receiver with a 4 cm reception field and adjustable sound volume. Powered by 9V-alkaline



### SmartRod

Extend the 4 m telescopic SmartRod to easily capture the laser beam within the 165 mm beam detection window and receive height measurements on the digital display. No misreading and a new dimension of range.



# Zone50 Slope Lasers

## Robust and reliable – join the Construction Zone

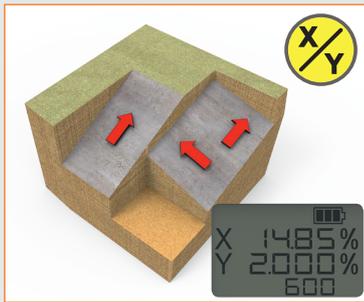
### Zone50 FA

The Zone50 FA is a fully automatic dual grade laser with an aluminium-cast housing for withstanding even the harshest conditions. As a fully automatic laser, it not only constantly checks but also permanently readjusts the defined grade to ensure highest accuracy and dependability.



### Zone50 A

The Zone50 A is an Automatic laser with grade capability. Equipped with the same sturdy aluminium-cast housing and IP class 67 as the Zone50 FA, this laser is built to last on any jobsite under any conditions. With more than 100 m range for the remote and 300 m laser radius, the Zone50 A provides you with a extensive work range.



### Precision input of slopes

Enter your slopes in a range of  $\pm 15\%$  ( $\pm 10\%$  for Zone50 A) with highest precision either via the remote unit or directly at the laser.

### Dual or single grade

All lasers of the Zone50 Series allow you to use two independent axes to define your grade values providing you full flexibility on complex jobs.



### Sector lock – beam masking

Electronically turns off the laser beam in specific quadrants to prevent interference with other crews on the site. Can also be used to avoid shining into a roadway or to avoid reflective surfaces, which may give a false reading.



### Remote control

The RG50FA and RG50A optional remote controls provide a range of more than 400 m and 100 m radius. All functions of the laser can be controlled via the remote. Even a reactivation of the rotation following a tilt sensor stop is possible via the remote. Users can easily run several lasers in parallel on the same site by pairing the laser with the remote control.



### Control function

Equipped with tilt-control function, the Zone50 lasers will be switched off automatically if displaced inadvertently or disturbed significantly by wind. Lower sensitivity settings towards wind & vibrations can be selected to allow continuous operation and are supported by an automatic re-adjustment.

# Zone50 Series

Featuring a fully automatic as well as an automatic model, the Zone50 Series provides the perfect match for any work site requiring highest precision, outstanding durability and extensive range. A laser that "works when you do!".



Technical specifications	Zone50 FA	Zone50 A
Operating range (depends on receiver)	> 500 m radius	> 250 m radius
Accuracy	$\pm 5$ mm / 100 m	$\pm 5$ mm / 100 m
Self-levelling	$\pm 5^\circ$	$\pm 5^\circ$
Slope	-15% up to 15%	-10% up to 10%
Diode	635 nm	635 nm
Laser class	3R	2
Rotational speed	0/600/1,000 upm	0/600/800 upm
Scanning	-	✓
Weight	3.5 kg	3.2 kg
Dimensions	176 x 176 x 260 mm	176 x 176 x 260 mm
Operating temperature	-10°C to 50°C	-10°C to 50°C
Rechargeable batteries	NiMH; charging 4h	NiMH; charging 4h
Operating life	up to 60 h	up to 20 h
Protection class	IP67 dust and waterproof	IP67 dust and waterproof
Alignment telescope (optional)	4 x 28 power	4 x 28 power
Detector/remote control	(FAR) RG50FA	(AR) RG50A

\* this applies for the Zone50 FA models.  
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