

GeoMax Laser Rotator ZLT300/200 Series



GeoMax About Us

GeoMax is an internationally active company developing, manufacturing and distributing quality construction and surveying instruments. We provide a comprehensive portfolio of integrated instruments for the construction, surveying and mapping industries. Both occasional and professional users are addressed with GeoMax's easy-to-use, yet highly productive, range of Total Stations, GPS, Lasers, Optical and digital levels.

GeoMax is part of the Hexagon Group, Sweden, a global technology group with strong market positions within measurement technologies. Hexagon is the world leader in multidimensional measurements within the macro and micro segments of the measurement and positioning market. The famous international companies within the Hexagon Group have delivered since more than 150 years precision products and solutions to the measurement industry. This technology is supported by a comprehensive sales and service network covering all continents with over 100 branches.

The close cooperation within the Hexagon Group grants GeoMax's access to state of the art development and production facilities in Europe, America and Asia. This enables us to focus on delivering products that "work when you do" by optimizing quality and productivity. Through a continually growing distribution, GeoMax products are available in Europe, Asia and the Middle East delivering outstanding price-to-performance.



Your multi-purpose laser!

At GeoMax we understand that your equipment should be as flexible as you. With the ZLT300 and ZLT200 we introduce a series of multi-purpose lasers that cover all the range from machine control, site work, pipe laying to interior finishing.



We level, you work

Now is the time to stop chasing bubbles to get your job levelled. And the good thing is that you are only one button push away. From site work and levelling to alignment, pipe laying, interior finishing and civil engineering projects, the ZLT300 and ZLT200 are the partners that help you to get the job done in time, with the required accuracy and reliability. And all of this to the price-to-performance ratio GeoMax is known for.

Simple and Safe

By simply pressing one button the laser will level automatically and the laser rotor starts revolving immediately. With the H.I. (height of instrument) alert mode turned on the laser will stop automatically if disturbed or moved, preventing you from inaccurate readings.



Everything under Control

Due to the in the detector integrated remote control for the ZLT300 your flexibility increases without carrying more parts than required with you on the site. All GeoMax detectors are ruggedized with rubber protectors and are equipped with a high contrast dual display on front and reverse side for the maximum of flexibility. The integrated bubble tube in combination with the error free marking notch guarantees fast and high precision work.



Dual Grade Slopes

With the manually adjustable grades you can simply match slopes in one or two axis by using the laser in manual mode. While used on one manual slope the automatic cross axis self levelling provides you with maximum security.



Multi Application

Both ZLT300 and ZLT200 offer automatic horizontal levelling as well as manual grades in both axis. Additionally the ZLT300 allows vertical levelling. In combination with the plumb laser function on the ZLT300 it can serve you to align the laser to vertical and horizontal reference points. Using the plumb laser you have the perfect partner for pipe laying jobs in pipes $\geq \varnothing 150\text{mm}$.



Works when you do

Understanding that the environment you work in can be harsh we equipped the ZLT Series with a robust full metal housing. The rubber coated handle provides a grip even under cold and wet conditions. With the highest protection in its class against water and dust you can be sure that the ZLT300 and ZLT200 "Work when you do!".

ZLT300/ 200 Series

Accessories and Technical Data



All-in-one box

GeoMax laser rotators come with all the complete equipment you need to finish your job in one easy to carry and store box. With everything in one box, GeoMax "Works when you do!".



Accessories

Reliable work demands reliable accessories. We recommend the various fully tested original tripods and staff from our GeoMax accessories selection to reach highest reliability for all your tasks.

Systems

	ZLT300	ZLT200
Operating Range*	800m (diameter)	
Levelling range	±8% ±5°	
Levelling	Automatic horizontal and vertical	Automatic horizontal
Plump laser	Automatic horizontal and vertical	-
Accuracy	±10mm at 100m	
Grade range	8% 5° manual grade on X & Y; also semi-autom. mode with Y in manual, X in automatic	
Tilt alert control	User definable laser shut-off	
Laser diode	Visible 635 nm, < 3mW, Class 3R (IEC)	Visible 635nm, < 5mW, Class 3R (IEC)
Rotation speeds	0, 90, 150, 300, 450, 600rpm	0, 90, 600rpm
Scanning	From 2 to 35°	
Laser Battery life	50h with internal rechargeable NiMH battery	
Environmental	IP67 waterproof	

Dimensions

Trip mount	Standard 5/8"
Size/Weight	12.5 x 11.5 x 21.9cm without handle / 3.5kg

Detector/ Remote Control

Type	ZDR300 Detector with integrated remote control	ZDT200 Detector
Audio Guidance	Loud, Quiet, Off	
Detector/Remote batteries	9Volts alkaline batteries	

* In average (agriculture) conditions & 300m in poor (construction site) conditions



Laser class 3R in accordance with IEC 60825-1

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