

Leica Geosystems

Integrated Solutions for the Construction Industry that are Rugged, Reliable and offer Exceptional Customer Value

The Leica Geosystems Construction Business Segment has been strategically built to focus on the needs of the customer. Leica Geosystems is a pioneer of the survey world. Our history goes back 80 years and is marked by numerous developments that have shaped the course taken by surveying, photogrammetry and GPS. Renowned names such as Kern Aarau, Wild Heerbrugg and more recently Laser Alignment are among the companies that have become part of what is today Leica Geosystems. Combined, these companies have played a major role in shaping the vision of our organization, deepening our knowledge of customer needs and providing market-leading product technologies and solutions. Leica Geosystems' distribution companies and representatives provide you with support in 128 countries. Leica Geosystems – Global resources serving each customer individually.

The Leica Geosystems Construction Segment Family of Products



Construction lasers – Whether it's general construction, pipe laying, machine control, or interior walls and ceilings, our lasers are built to handle any environment.



Automatic levels – Professional optical levels are built for the construction site. They are quickly set up, very precise, and top every comparison of price to performance ratios.



Leader in GPS and TPS technology – Used worldwide in projects that demand the highest standards, designed for various applications and ease-of-use. We developed the first reflectorless total stations in 1998, and our experience with GPS dates back to 1967.



Conventional and 3D Machine Control Systems – Boost productivity, increase accuracy, and reduce operator fatigue by converting heavy equipment to laser, sonic, GPS and TPS guided control. We have applications for excavating, mining, grading, agriculture, and precision paving.



DIGI™ System – The location system provides a fast and safe solution for tracing buried utility services.



Software and accessories – Integrated software solutions and a complete series of tripods, staffs, our patented 360° prisms, batteries, chargers, and everything you need to extract the best performance from your instrument.

Your Dealer:

Leica Geosystems GR LLC
is an ISO 9001
Registered Company.



Laser class 2 in accordance
with IEC 60825-1 and EN 60825-1
Laser class II in accordance
with FDA 21CFR CH.1 § 1040

Leica
Geosystems

Leica Geosystems GR LLC
6330 28th Street SE
Grand Rapids, MI 49546 USA
Phone 616-949-7430
www.leica-geosystems.com

RUGBY™ 100 Self-leveling Laser

NEW!
Auto H.I. Alert
Function

Because you can't afford a time out

Leica
Geosystems

RUGBY™ *Keeps You in the Game*

RUGBY 100: The first of a new, rugged family of construction lasers

You already know the value of lasers on the job site. They make faster work of any layout job while eliminating costly errors and downtime. Once they were a "nice to have," now they are a competitive "must have" to get the job done right and get off the site as fast as possible.

Now meet the new, improved standard in general construction lasers: RUGBY 100. It now comes with auto H.I. alert function.

One look at this automatic self-leveling horizontal leveling tool and you know it's a different breed. Its ergonomic, structural and performance features add up to the greatest value on the market today.

Here are just a few of the many jobs you can complete more quickly with the versatile RUGBY 100:

- Concrete forming, pad placement and framework
- Setting foundations and footings
- Precise depth control for sub-base and fine grade excavation
- Finish grade and sub-grade
- Machine control



RUGBY 100 comes with a rugged carrying case, and one ROD-EYE Pro sensor.

- Construction-tough components have all undergone rigorous testing to assure long life under harsh conditions
- Enclosed head means no worries about contamination of critical interior parts
- Rugged, high-impact strength polymer carrying case included
- Optional rechargeable nickel metal hydride (NiMH) batteries available
- 24 month warranty

Why RUGBY is the toughest player on the field

The RUGBY 100 is a high technology, high precision tool. Compare these features and you'll see why RUGBY sets the new standard for durability and value.

- Water resistant: all critical components protected from wet weather conditions
- Housing made from co-molded rubber and high-impact plastic
- Aluminum base withstands rough handling... highly resistant to abrasion and fracture

Leica Geosystems's warranty offers complete coverage of the internal self-leveling system no matter what. Should any accident or knockdown occur, all repairs to the internal assembly will be done at no charge.





Switch to manual mode for setting grade up to 10%

Easy to learn. Easier to use. Always fast, reliable, and accurate.

Anyone on your crew can be a RUGBY expert in just a few minutes. And any operator can take accurate readings quickly. Here's why:

- Automatic self-leveling: no more bubbles or external level vials used – set it down and RUGBY levels itself
- RUGBY always defaults to automatic mode when switched on to avoid errors
- Two-speed head rotation
- Accuracy of ± 18 arc seconds ($3/32$ " at 100 foot distance) (2.6mm at 30 meters)
- Simple keypad controls all functions
- Highly visible beam for quick and easy location
- Out-of-level indicator light
- Low battery indicator light
- Remote low battery indicator prevents unplanned recharge interruptions
- Simultaneous charge and operate function is another time-saving feature
- H.I. (elevation alert) feature prevents errors due to shifting or movement of the tripod.

Specifications

Operating Range	1000 ft (300 m) diameter
Accuracy	$\pm 3/32$ " per 100' (2.6 mm per 30 m) from 32° to 104°F (0° to 40°C).*
Self Leveling Range	$\pm 5^\circ$
Manual Grade	Up to 10%
Height	7.8" (197mm)
Width	9.8" (248mm)
Depth	6.9" (175mm)
Rotation Speeds	5, 10 rps
Laser Diode	635 nm visible
Laser Class	Class II FDA / Class 2 IEC
Operating Temperature	-4° to 122°F (-20° to 50°C)
Battery Life	60 hours with alkaline batteries, 35 hours with rechargeable batteries**
Water Resistance	Water-tight to IPX-6 standard

* Accuracy is derated outside this temp range
 ** Battery life dependent upon environmental conditions



RUGBY™ 100 ... Because you can't afford a time out