

Leica Rugby 100  
Because you can't afford  
a time out



- when it has to be **right**

**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, the standard in general construction lasers, the Rugby 100 outdistances the competition.

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



A recommended Rugby 100 package shown with the Rod Eye Sensor

**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.**

### 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
- 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





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 10 arc seconds ( $\pm 1/16"$  at 100 feet /  $\pm 1.5$  mm 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	$\pm 1/16"$ at 100 feet / $\pm 1.5$ mm at 30 meters*
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
Operating Temperature	$-4^\circ$ to $122^\circ$ F ( $-20^\circ$ to $50^\circ$ C)
Battery Life	60 hours with alkaline batteries, 35 hours with rechargeable batteries**
Water Resistance	Water-tight to IP66 standard

\* Increased accuracy beginning serial number 100-61500. From  $23^\circ$ F to  $95^\circ$ F /  $-5^\circ$ C to  $35^\circ$ C. Accuracy is derated outside this range.

\*\* Battery life dependent upon environmental conditions

**Rugby 100... Because you can't afford a time out**



Whether you have to precisely layout a construction site, perform control measurements, collect height and angle data, align concrete forms, install ceilings and partitions, lay gravity flow pipe, locate underground services or complete site preparation and earthworks – Leica Geosystems offers the right instrument, construction laser or machine control installation specifically designed for your construction application.

Easy-to-use, jobsite tough, accurate and reliable – Leica Geosystems instruments and lasers ensure the efficient use of your materials and resources. High quality products, such as optical and electronic levels, construction lasers, total stations and machine automation systems, provide fast results, keep you working and increase your profitability.

**When it has to be right.**

Illustrations, descriptions and technical specifications are not binding and may change.  
Printed in Switzerland – Copyright Leica Geosystems AG, Heerbrugg, Switzerland, 2007.  
727308en – VII.07 – RDV



**Total Quality Management – our commitment to total customer satisfaction.**

Ask our local Leica Geosystems dealer for more information about our TQM program.

**CAUTION**

LASER RADIATION – DO NOT STARE INTO BEAM  
630-690nm/0.95mW max.  
CLASS II LASER PRODUCT

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

