Leica Rugby 810, 820 & 840

The toughest construction lasers on site







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Leica Rugby construction lasers are more than just a product, they are an intelligent, versatile, clever solution that significantly enhance your application performance. The Rugby lasers are an integrated part of the Leica Geosystems intelligent **CON**struction portfolio, providing a comprehensive solution for our customers.





Outstanding performance with Laserman

Perform applications easier and faster

- **Smart Targeting:** Automatically align your laser plane at the vertical and dual axis
- Smart Lock: Monitor and correct the laser plane in real-time avoiding costly mistakes, any movement of







Unique power concept

Unbeatable versatility - power and charge anywhere, anytime!

- Intelligent and rugged Li-Ion battery
- Interchangeable battery packs throughout the new Leica Rugby
- out in the sun with the solar panel









Toughest laser in the market

robust housing provides reliable



Quality you can trust – Lifetime manufacturer's warranty, 5 years no cost period and 2 years knockdown warranty





Intelligent, versatile, clever - it's more than just a laser!

Intelligent laser systems combined with unique accessories provide unbeatable

- The Rugby 820 and Rugby 840 are
- Increase the functionality of these Rugby lasers with the use of the RC 800 remote which turns them into semi-automatic, grade lasers for slope applications.



Fit, fast, tough - select the best player for your site

Leica Rugby lasers are the toughest rotating lasers in construction. Level, align and square much quicker than ever before, eliminating costly errors and downtime.

Leica Rugby 810



Levelling made easy

- where no mistakes are possible
- Single axis slopes up to 45° with
- the beam over the entire distance



Leica Rugby 820



Tough as concrete - unbeatable with slopes

- Carry out concrete forming, pad placement and framework levelling; setting foundations and footings has
- dual-axis with the Leica Rod Eye 180 RF receiver by using the Smart Targeting and
- Semi-automatic, dial-in grade using the





The laser that tackles it all

- levelling, aligning and squaring applications
- **Smart Targeting:** Tie-in slopes in single
- **Smart Lock:** Monitor and correct the
- Complete application solution in one case, with Leica Rod Eye 180 RF receiver, RC 400 and RC 800 remote controls





Leica Rugby 840









- The unique Smart Slope function performance over the course of the day





The right team for every application on site





1 Land levelling

Full system for agricultural land levelling operating dozers with the best results.



Dial-in grade

Dial-in, semi-automatic grade using the RC 800 remote control



Slopes for ramps and driveways

Automatically tie-in slopes in single and dual axis using Smart Targeting.



Vertical alignment of formwork

Automatically align parallel to the reference with Smart Targeting and check plumb of formwork.



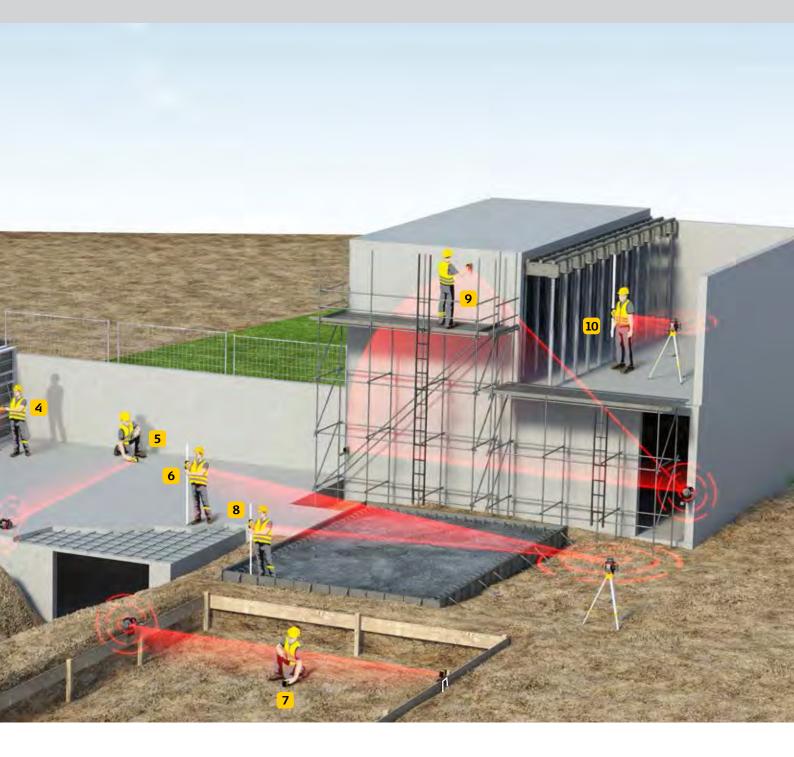
Set-out walls

Automatically align two points with Smart Targeting and mark position of wall/formwork.



Concrete pouring

Check height of concrete and use digital readout for clear indication of offset.





7 Batter board

Align batter board markings and set-out building axis.



10 Level decks and slabs

Level decks and slabs easily and efficiently. Digital readout provides clear indication of offset.



8 Formwork levelling

Transfer reference height and level formwork.



Facade alignment

Align fixings for facade over the entire plane.



Accessories

The Leica Rod Eye family of receivers and accessories offers solutions for any general construction and interior application. They are engineered to the highest standard and work seamlessly with the Leica Rugby laser portfolio.





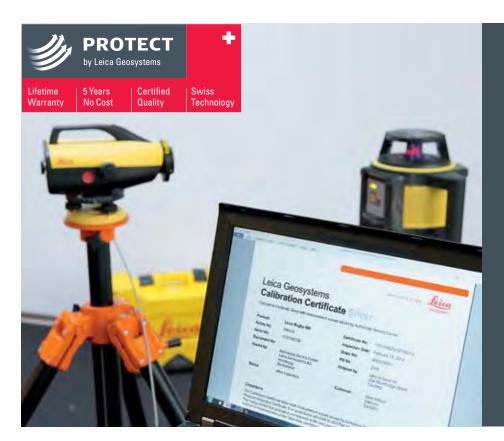


Technical Specifications

	Tal.	Ta1	7ax
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			810
Technical data	Rugby 810	Rugby 820	Rugby 840
Functionality	Self-levelling horizontal, single manual slope (with slope adapter)	Self-levelling horizontal & manual slope in dual axis	Self-levelling horizontal, vertical, 90° and manual slope in dual axis
Smart Targeting	-	申	ф (
Smart Lock	-	Smart Targeting	Smart Targeting
Operating range (diameter) with Rod Eye 140/160/180	1.300 m (4.265 ft)	1.300 m (4.265 ft)	1.300 m (4.265 ft)
Self-levelling accuracy*	± 1.5 mm at 30 m (± 1/16" at 100 ft)		
Self-levelling range	± 6°		
Rotation speed	10 rps	10 rps	0, 2, 5, 10 rps
Scanning modes	-		10°, 45°, 90°
Laser diode type / class		635 nm (visible)	·
Dimensions (H × W × D)	235×238×190 mm (9.2×9.4×7.5 in)		
Weight with batteries		3.0 kg (6.6 lbs)	
Batteries (alkaline/li-ion)	Four D-cells / Li-Ion pack		
Battery life** (alkaline/li-ion)	60 hours / 50 hours @ 20°C		
Operating temperature		-20° to +50° C (-4° to +122° F)	
Storage temperature	-40° to +70°C (-40° to +158°F)		
Environmental standard	IP 68 / MIL Standard 810G		
Laser Class 1 or Class 2	LASER	LACED	A LADER
products in accordance with IEC 60825-1 (2014-05)	* LASER	# LASER	LASER 2
RC 400 remote control			
ic 400 femote control			<u>#</u>
Operating range (radius)	-	- /	100 m (325ft)
RC 800 remote control			
Operating range (radius)		100 m (325ft)	100 m (325ft)
	** Battery life is dependent upon o		
ricearde, is defined de 25 e (// ·	, botter, me is dependent upon		
Laser			
Receivers	10		
Receivers	100		Smart Targeting
			000
Technical data	Rod Eye 140 Classic	Rod Eye 160 Digital	Rod Eye 180 Digital RF
Working diameter	1.350 m (4.430 ft)	1.350 m (4.430 ft)	1.350 m (4.430 ft)
Extended detection window	120 mm / 5 in	120 mm / 5 in	120 mm / 5 in
Detection accuracies			
Ultra fine		± 0.5 mm / ± 0.02 in	± 0.5 mm / ± 0.02 in
Super fine	± 1.0 mm / ± 0.04 in	± 1.0 mm / ± 0.04 in	± 1.0 mm / ± 0.04 in
Fine	± 2.0 mm / ± 0.08 in	± 2.0 mm / ± 0.08 in	± 2.0 mm / ± 0.08 in
Medium	± 3.0 mm / ± 0.12 in	± 3.0 mm / ± 0.12 in	± 3.0 mm / ± 0.12 in
Coarse		± 5.0 mm / ± 0.20 in	± 5.0 mm / ± 0.20 in

PROTECT by Leica Geosystems

We always protect your success!



In addition to comprehensive technical knowledge, thinking holistically about the needs and requirements of our customers has the highest priority at Leica Geosystems. Close cooperation with practical professionals leads to user-friendly products that fulfil the customers' expectations perfectly.

Our products provide a high level of reliability, accuracy and robustness - even under the roughest jobsite conditions. They increase the productivity and success of our customers. With PROTECT by Leica Geosystems we offer a best-in-class service where customers can count on us, anytime, anywhere.

Lifetime Manufacturer's Warranty

Our promise - your peace of mind

The lifetime warranty guarantees the quality and reliability of our products. However, should a device fail because of defects in material or workmanship, we will repair or replace it free of charge.

5 year No Cost period

An all-round service from the specialists

Guaranteed best-in-class service should your product become defective or require servicing under normal conditions of use, at no additional charge to you.

The 2 year Knockdown warranty offers you even more protection. If your Leica Rugby accidentally topples over on a jobsite, Leica Geosystems covers the repair costs for the integrated self-levelling system.

PROTECT is subject to Leica Geosystems International Limited Warranty and PROTECT General Terms & Conditions set out under www.leica-geosystems.com/protect.

Certified Quality

Assured reliability

The Leica Rugbys are calibrated and tested according to ISO 17123-6. As a result, you can rely on the continuous high accuracy of your lasers, even under harsh site conditions. A Leica Rugby delivers what is promised!

Swiss Technology

Innovative products and first-class quality

Our devices are manufactured all over the world in state-of-the-art production centres, where Swiss precision, extraordinary craftsmanship and cutting-edge technology go hand-in-hand. Continuous and extensive tests throughout all stages of development and production ensure our products meet the highest standards for precision and quality.

Leica Geosystems intelligent CONstruction Enhancing your performance

Fully understanding construction carried us beyond the ordinary. The Leica Rugby products are an integrated part of the Leica Geosystems intelligent CONstruction portfolio, enabling you to enhance your performance and increase your profitability through perfecting your construction workflow.

iCONstruct

Intelligent rotating lasers combined with unique accessories provide unbeatable application performance.



- Rugged and robust
- Versatile
- Reliable
- Interchangeable

iCONtrol

Providing you with an efficient portfolio of rotating lasers that communicate with your machine receivers.



- High performance and precision for long range levelling
- Reliable and seamless receiver communication



iCONsult

A global sales and support network, providing advice on intelligent CONstruction



solutions to grow your business.

- Offering a best-in-class service with PROTECT by Leica Geosystems
- Personal service
- Professional consultancy

iCONnect

Seamlessly integrate your rotating lasers with other intelligent construction products and solutions.



- Monitor and correct the laser plane in real-time
- Real-time data guarantees accurate jobs
- Reduced downtime
- High productivity