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DATA-SHEET



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WHY BUY
WHEN YOU CAN HIRE

Leica Rugby 600 Series

Your reliable partner on site



SITE PROOF
by Leica Geosystems

Leica Rugby

Fit, fast, tough – Select the perfect team player for your site

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

Leica Rugby 610



One button simplicity

- Simple and reliable, one button laser where no mistakes are possible
- Superb performance with all Leica Rod Eye receivers – extend your working range using the Rod Eye 140 Classic and the Rod Eye 160 Digital



Leica Rugby 620



Simple and reliable – no mistakes possible

- Concrete forming, pad placement and framework levelling; setting foundations and footings has never been more efficient
- Slope matching up to 8% in single axis





Versatility inside and outside

- Fit for any interior and exterior levelling, aligning and squaring application
- Scan 90 – make layout easier by quickly moving the beam to the left or right
- Plumb Down – automatic and accurate plum down direction for alignment over a reference point
- Sleep Mode – save battery and put the Leica Rugby into sleep mode without disturbing your set up

Leica Rugby 640



Slopes done easy

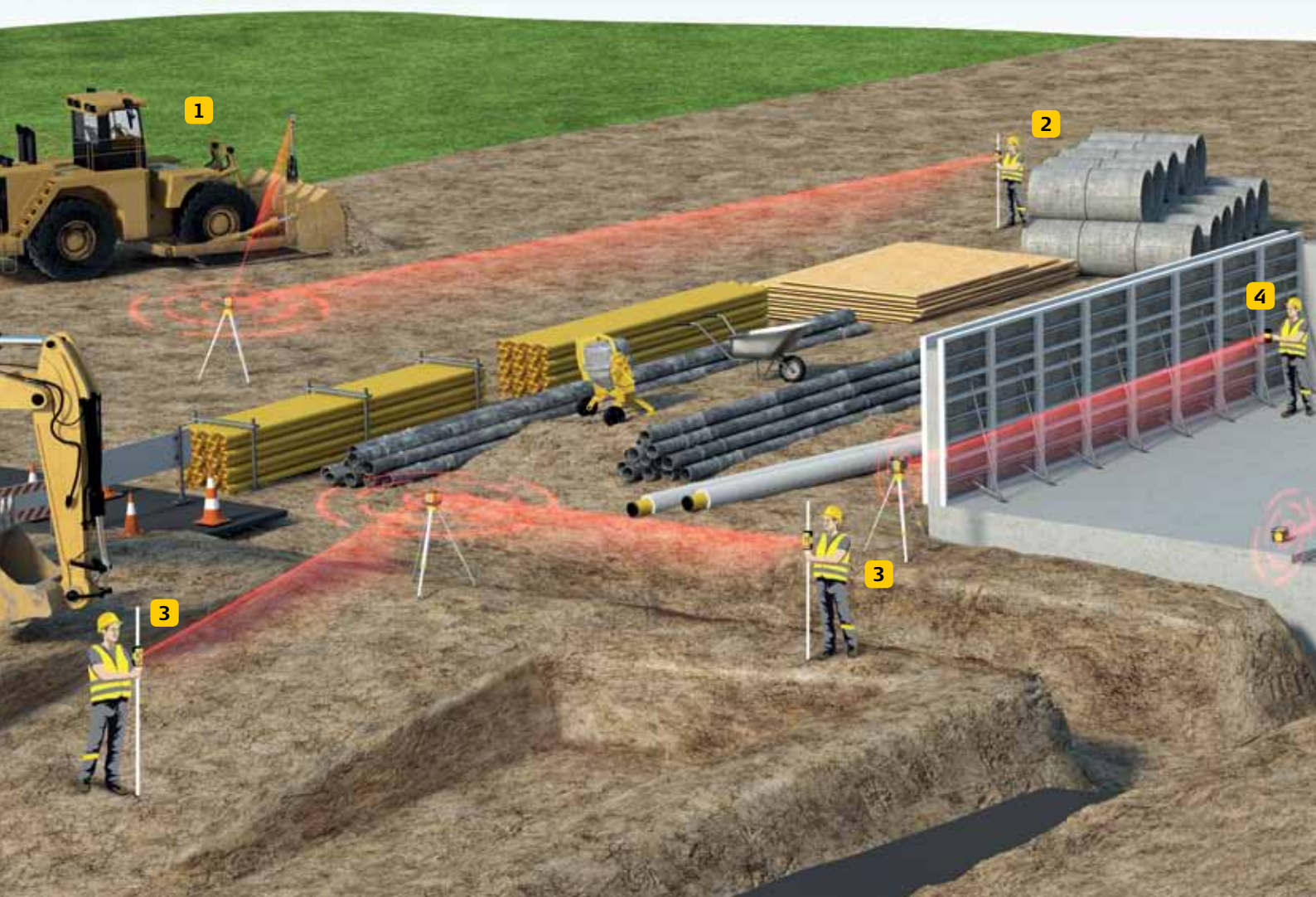
- A great general construction laser with digital grade capability
- Dial-in grade in single or dual axis, easy and fast at the touch of a button
- The unique Smart Slope function continuously monitors time and temperature changes to ensure accurate performance over the course of the day

Leica Rugby 670/680



Leica Rugby

The right team for every application on site



- 1 Site Preparation**
Level to grade with dozers, graders and excavators.



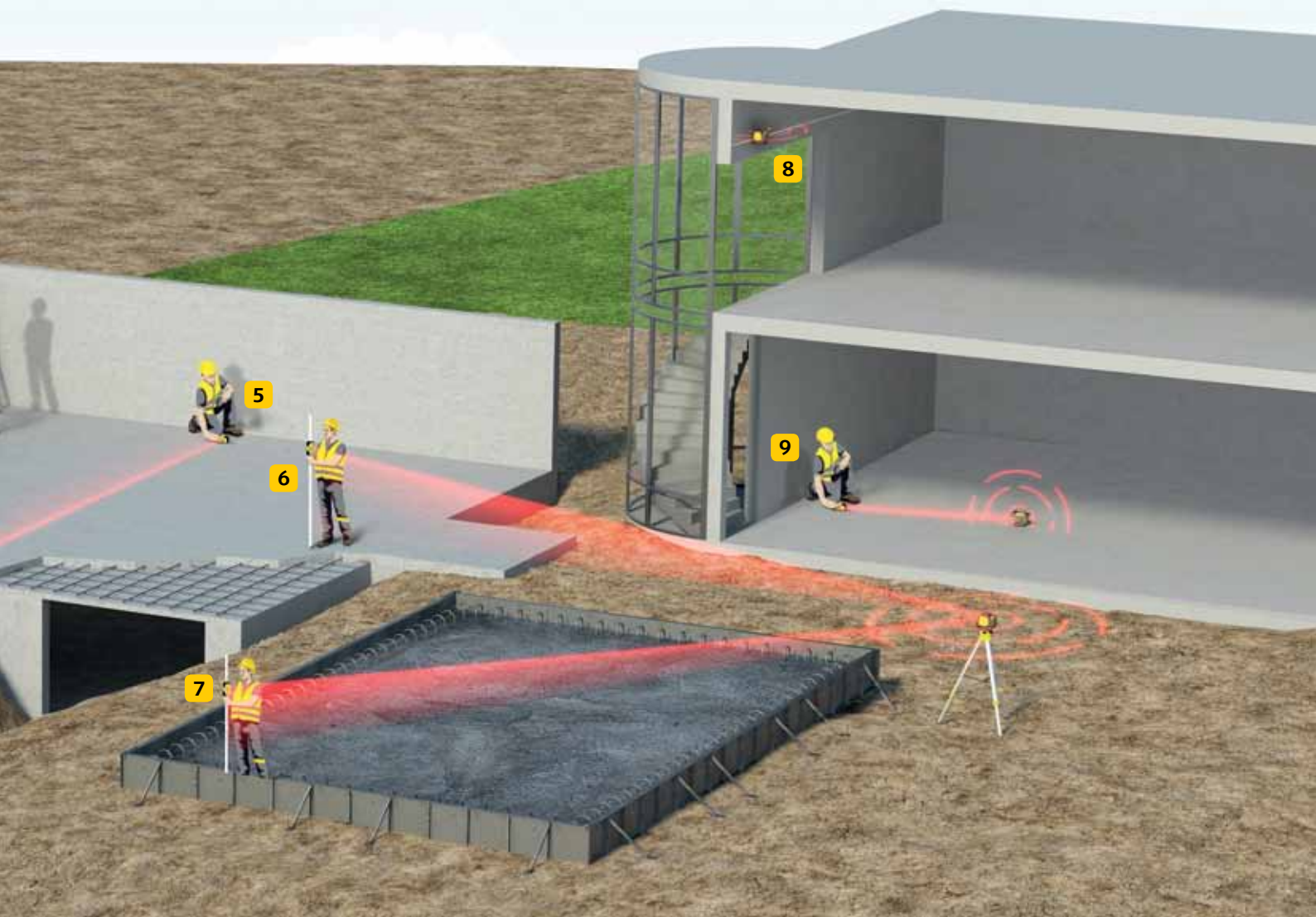
- 3 Slopes for ramps and driveways**
Dial-in slopes in single and dual axis.



- 2 Grade checking**
Easy and reliable grade checks.



- 4 Formwork verticality**
Align parallel to the reference and check plumb of formwork.



5 Set-out walls
Align two points and mark position of wall or formwork.



7 Formwork levelling
Transfer reference height and level formwork.



6 Concrete Pouring
Set concrete forms and check concrete during the pour.



8 Level ceiling
Check and level suspended ceiling hangers.



9 Set-out
Set-out and mark position of walls.



Leica Rugby 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.

Leica Rod Eye Basic



- **LCD Indication:** two clear displays on the front and back of the receiver
- **Audio Indication:** two settings, high for noisy outdoor jobs and low for indoor applications
- **Automatic Shutoff:** after ten minutes to conserve battery life
- **Grade Rod Bracket:** with integrated level vial ensures your grade rod is plumb and improves the reading accuracy
- **Built-in clamp:** the vial ensures good alignment and improves reading accuracy
- **Protective Overmold:** protects the receiver from possible accidents on tough jobsites

Leica Rod Eye 140 Classic



- Step up with increased capture height and working distance with Leica Rod Eye 140 – with the built-in 12 cm (5") detection window you can easily detect the beam over the entire distance

Leica Rod Eye 160 Digital




- Professional receiver with digital readout, half millimetre accuracy and strobe rejection
- Capture digital readout for convenient height readings

PROTECT by Leica Geosystems






Our products provide the highest levels of reliability, accuracy and ruggedness – even under the roughest jobsite conditions, making our customers more productive and successful. With PROTECT by Leica Geosystems, we offer a best-in-class service where customers can count on us, anytime, anywhere:

- Lifetime manufacturer's warranty
- Certified quality
- No cost period for repair and service
- Swiss technology

The Leica Rugby 600 series come with a 3 year no cost period. For more information, please visit our website: www.leica-geosystems.com/rugby

 PROTECT by Leica Geosystems			
Lifetime Warranty	No Cost Period		Certified Quality

Technical Specifications

					
Technical data	Rugby 610	Rugby 620	Rugby 640	Rugby 670	Rugby 680
Dimensions	212×239×192 mm				
Weight	2.38 kg / 5.2 lbs	2.56 kg / 5.6 lbs	2.56 kg / 5.6 lbs	2.56 kg / 5.6 lbs	2.56 kg / 5.6 lbs
Functionality	Self-levelling horizontal, one button laser	Self-levelling horizontal & manual slope in one axis	Self-levelling horizontal, vertical, 90° and manual slope in dual axis	Self-levelling horizontal, dial-in grade in single axis	Self-levelling horizontal, dial-in grade in dual axis
Product type	General construction	General construction	Multipurpose / H.V.	Semi-auto grade	Semi-auto grade
Laser class	Class 2				
Laser type	635 nm (visible)				
Plumb up	-	-	Yes	-	-
Measured at 20°C (horizontal / vertical)	± 2.2 mm at 30 m (± 3/32" at 100 ft)	± 1.5 mm at 30 m (± 1/16" at 100 ft)			
Grade range	-	-	-	± 8% SG	± 8% DG
Smart Slope	-	-	-	Yes	Yes
Rotation - RPS	10	10	0, 2, 5, 10	10	10
Scanning - degrees	-	-	10, 45, 90	-	-
Scan90	-	-	Yes	-	-
Beam down	-	-	Yes	-	-
Sleep mode	-	-	Yes	-	-
Range (diameter) - Basic	500 m (1.650 ft)	600 m (2.000 ft)	500 m (1.650 ft)	600 m (2.000 ft)	600 m (2.000 ft)
Range (diameter) - RE140/160	600 m (2.000 ft)	800 m (2.600 ft)	600 m (2.000 ft)	800 m (2.600 ft)	800 m (2.600 ft)
RF remote control (diameter)	-	-	200 m (650 ft)	-	-
Li-ion batt. / hours operation	40+	40+	40+	40+	40+
Alkaline batt. / hours operation	60+	60+	60+	60+	60+
Working temperature range	-10 to +50 °C (14 to +122 °F)	-20 to +50 °C (-4 to +122 °F)	-20 to +50 °C (-4 to +122 °F)	-20 to +50 °C (-4 to +122 °F)	-20 to +50 °C (-4 to +122 °F)
Storage temperature range	-20 to +70 °C (-4 to +158 °F)	-40 to +70 °C (-40 to +158 °F)	-40 to +70 °C (-40 to +158 °F)	-40 to +70 °C (-40 to +158 °F)	-40 to +70 °C (-40 to +158 °F)
Seal (both excluding and including battery pack)	IP67	IP67	IP67	IP67	IP67
Warranty	3 years no cost (see PROTECT by Leica Geosystems policy for life time coverage)				

Laser Receivers

			
Technical data	Rod Eye Basic	Rod Eye 140 Classic	Rod Eye 160 Digital
Working diameter	600 m (2.000 ft)	1.350 m (4.430 ft)	1.350 m (4.430 ft)
Extended detection window	36 mm / 1.4 in	120 mm / 5 in	120 mm / 5 in
Numeric readout height	-	-	90 mm / 3.5 in
Detectable spectrum	600 nm to 800 nm	600 nm to 800 nm	600 nm to 800 nm
Detection accuracies			
Very fine	-	-	± 0.5 mm / ± 0.02 in
Fine	± 1.0 mm / ± 0.04 in	± 1.0 mm / ± 0.04 in	± 1.0 mm / ± 0.04 in
Medium	-	± 2.0 mm / ± 0.08 in	± 2.0 mm / ± 0.08 in
Coarse	± 3.0 mm / ± 0.12 in	± 3.0 mm / ± 0.12 in	± 3.0 mm / ± 0.12 in
Very coarse	-	-	± 5.0 mm / ± 0.20 in

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OUR COMMITMENT TO YOU

A wealth of knowledge and experience.

You can take advantage of expert advice to ensure you get the best, most appropriate and cost effective equipment for the job. We supply a wide variety of industries, so if there is another way to do the job or save you time and money we'll pass on the benefit of our experience for free.

Honest advice, just a phone call away.

If we don't have a particular item, rather than hiring you something that won't do the job, we would rather direct you to an alternative supplier. You will always be provided with full instructions and if you still need help, call our technical team on Nationwide Low Call 0333 6000 600. Our aim is to save you time, frustration and money.

Top quality equipment from major manufacturers.

With Inlec you'll get the most accurate, reliable and well-maintained equipment available. Prices are regularly reviewed to ensure you always enjoy the best value for money. We have made a significant investment in test equipment so we ensure that it's well packed to minimise damage and delay.

We really do listen to you.

You won't waste your time contacting Inlec. Every request for equipment is logged and carefully considered. Listening to our customers helps keep our product range up to date and relevant. If you are unhappy about any aspect of our service please let us know so we can put it right.

YOUR 5 WAY GUARANTEE

1 GUARANTEE SAME DAY DESPATCH

We understand why prompt delivery is important to you. So, if we confirm your order before 3pm, you are guaranteed same day despatch.

2 OUR PRICE GUARANTEE

Inlec guarantee you real value for money. Our price match policy is simple - if you can hire the same product for less elsewhere, we guarantee to match that price and reduce it by a further 10% of the difference - and still deliver our industry leading technical and customer support.

For full details check our price-match guarantee online

3 TOP QUALITY GUARANTEED

All equipment is thoroughly checked prior to dispatch to ensure you receive it in full, safe working order. Your shipment will be securely packed and include manufacturer's instructions, accessories or consumables and a valid calibration certificate where appropriate. In addition, Inlec offer a 24 hour replacement service if you decide the equipment is not suitable for your application*.

4 FRIENDLY, KNOWLEDGEABLE ADVICE GUARANTEED

Inlec are happy to provide you with free advice, from an unbeatable team of experienced, knowledgeable and friendly engineers and hire experts.

5 YOUR GUARANTEE OF THE BEST CUSTOMER SERVICE

Throughout your hire we will work hard to ensure you enjoy the very best in support and service from Inlec. We guarantee you won't find better service anywhere in the industry.

*subject to availability and conditions

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