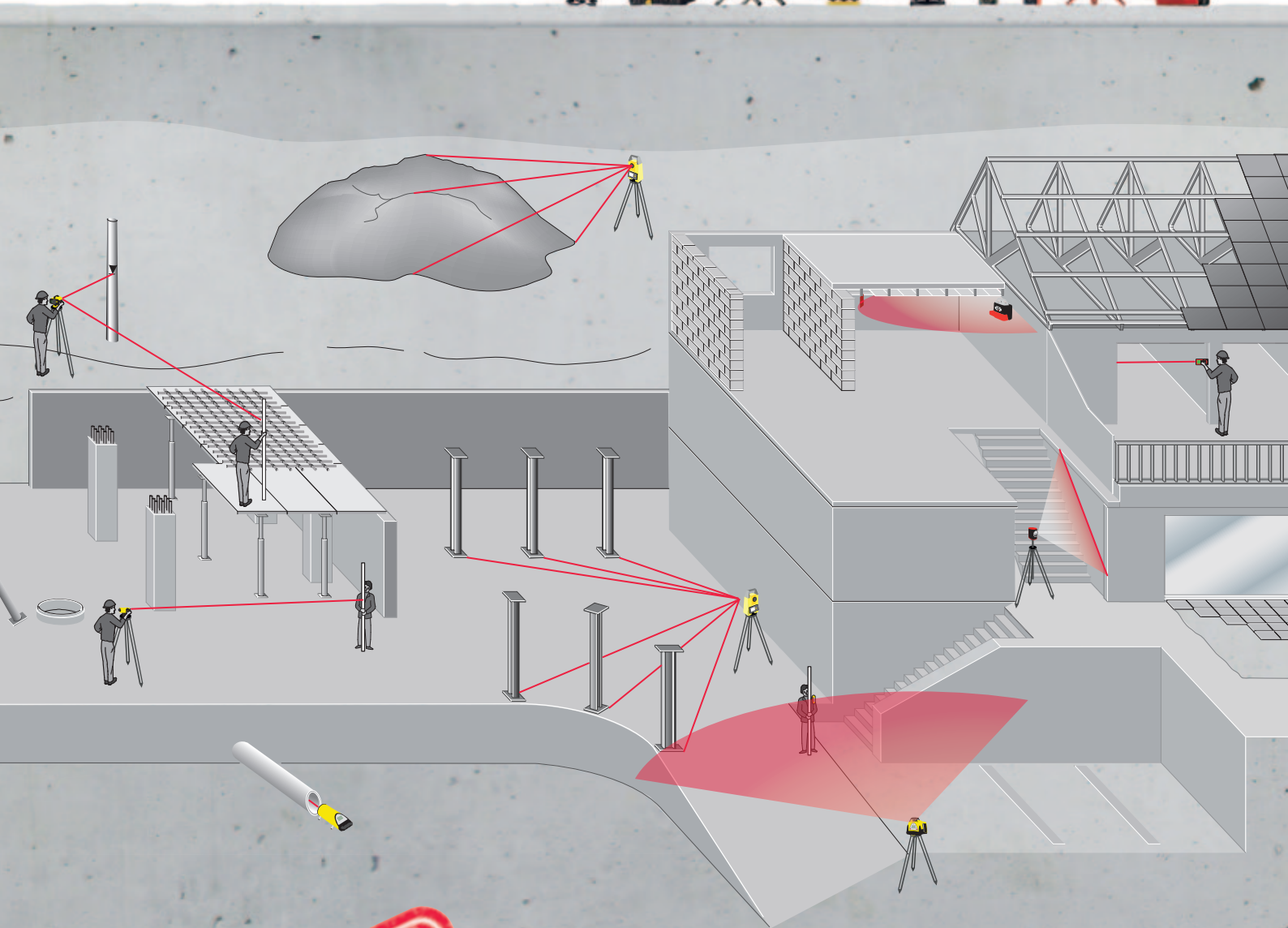


Leica Geosystems Construction Products

The right tools for any site



- when it has to be **right**

Leica
Geosystems

The right tools for any construction site

Multipurpose and General Construction Lasers



Multipurpose – Leica Rugby 55

Affordable, multipurpose laser

- Accuracy of 2.4 mm at 30 meters
- Horizontal and vertical self-levelling
- Selectable scan and head speed modes
- Manual modes for sloped applications
- Optional alkaline or NiMH batteries
- Water and dustproof to IP55
- 12 month warranty
- 24 month warranty with registration

Multipurpose – Leica Rugby 200

High accuracy, multipurpose laser

- Accuracy of 1.5 mm at 30 meters
- Horizontal and vertical self-levelling
- Selectable scan and head speed modes
- Manual modes for sloped applications
- Optional alkaline or NiMH batteries
- Water and dustproof to IP56
- 24 month knockdown warranty

General Construction – Leica Rugby 50

Affordable, general construction laser

- Simple, one-button operation
- Accuracy of 2.4 mm at 30 meters
- Range (dia) 300 meters
- Automatic H.I. (Elevation) alert
- Optional alkaline or NiMH batteries
- Water and dustproof to IP55
- 12 month warranty
- 24 month warranty with registration

General Construction – Leica Rugby 100

High accuracy, general construction laser

- Manual grade capability
- Accuracy of 1.5 mm at 30 meters
- Range (dia) 300 meters
- Automatic H.I. (Elevation) alert
- Optional alkaline or NiMH batteries
- Water and dustproof to IP56
- 24 month knockdown warranty

General Construction – Leica Rugby 100LR

High accuracy, long distance, general construction laser

- Manual grade with cross axis self-levelling
- Accuracy of 1.5 mm at 30 meters
- Range (dia) 750 meters
- Automatic H.I. (Elevation) alert
- Optional alkaline or NiMH batteries
- Water and dustproof to IP56
- 24 month knockdown warranty

Grade Lasers



Leica Rugby 260/270SG and 280DG

- Single (260/270SG) and dual (280DG) grade lasers
- Simple, five-button operation
- Beam masking, H.I. Alert, Lock Mode
- Optional two-way remote (280DG only)
- Optional alkaline or rechargeable NiMH batteries
- Water and dustproof to IP67
- 24 month knockdown warranty
(36 month extension available on request)*

Leica Rugby 320SG and 410/420DG

- Single (320SG) and dual (410/420DG) grade lasers
- Simple, easy to use keypad
- Superior power management (up to 130 hours)
- Wind sensitivity, beam masking, H.I. Alert
- Optional two-way remote (410/420DG only)
- Optional alkaline or NiMH batteries
- Water and dustproof to IP57
- 24 month standard warranty
(36 month extension available on request)*

*For terms and conditions please refer to your sales person.

Pipe Lasers



Leica Piper 100 and 200

- The only pipe laser that fits into 100 mm pipe
- Wide self-levelling capability over full grade range
- Alignmaster™ – target alignment system (200 only)
- Multi-functional remote control up to 150 meters
- Automatic cross axis compensation
- Intelligent battery system monitors battery usage
- Water and dustproof to IP68
- 24 month warranty

New Leica Builder Series



Builder Specifications	Builder 100	Builder 200	Builder 300	Builder 400	Builder 500
Weight incl. Battery and Tribrach	4.4 kg	5.1 kg			
Operating Temperature	-20°C to +50°C				
Battery Type/Life	Li-ion/approx. 20 hours¹				
Environmental	IP55				
Keyboard	Standard			Full Alphanumeric	
Switch Key	single function			dual function	

¹ Single Measurement every 30 second at 25°C with GEB221. Battery time may be shorter if battery is not new



Profile Boards

Builder does it all: Setting out boards, transfer alignments to/from boards or simply storing all board data in the builder.



Line Layout

Columns, formwork, green-houses, racking, fencing lines, structures or terraces. Builder takes reference lines, alignment and curves in its stride.



Volumes

How much m³ did you really move today? Cutting to formation, mass haul, cut/fills, stockpile monitoring – keep right on top of your earth-works progress with Builder.



Checks

Is that formwork vertical? Sufficient clearance between crane and roof? Are those walls parallel? Is the drainage at the right grade? Are this true 90°?



As-Built

Carpenters, landscapers, stage builders, architects, utilities companies, steel and façade constructors – all use Builder to record as-builts quickly and accurately.



Area

How many roof tiles? Want to be doubly-sure how much asphalt to order for the parking lot? Will those windows fit? Builder has the answer in m².



Height Transfer

Transfer of reference heights, define datum lines, marking ground floor elevations, checking remote heights – also vertically the Builder is powerful.



Multilingual support

The world is getting smaller, Builder is prepared.



Setup with Control Line or coordinates

Existing axis form the reference line for the Builder.

Connect Leica DX10 field controller

Load your preferred Software tool and keep working as usual.



Automatic and Electronic Levels



Automatic – Leica Jogger 20/24

- Automatic, air-damped compensator
- Water resistant to IP54
- Smooth, double-sided endless fine drive
- Horizontal circle with 360° division
- Choice of magnification: 20x or 24x
- Operating temperature –20°C to +40°C

Automatic – Leica Runner 20/24

- Air-damped compensator with control button
- Water resistant to IP55
- Double-sided endless fine drive for easy targeting
- Pentaprism for easy viewing of circular level
- Horizontal circle with 360° division
- Available with 20x or 24x magnification
- Minimum focus distance 0.8m
- Operating temperature –20°C to +50°C

Automatic – Leica NA700 Series

- Construction and engineering level
- Double-sided endless fine drive for easy targeting
- Horizontal circle can be read in either degrees or gons
- Water Resistant to IP57
- Available with magnification from 20x to 30x
- Minimum target distance of 50cm
- Operating temperature –20°C to +50°C

Electronic – Leica Sprinter Series

- Easier to use than a conventional level
- Bar-coded staff means no more misreading or interpretation errors
- Performs calculations for you
- Tilt warning sensor
- Continuous tracking mode
- Optional onboard memory and RS232 interface
- Measuring range from 2m – 100m
- Measures in under 3 seconds

Buried Service Locators



DIGICAT™ 100, 200 and 200 GIS

- Digital signal processing
- Easy to use, requires only minimal training
- Robust, lightweight and waterproof
- Always starts in power modes at maximum sensitivity
- 8kHz and 33kHz tracing modes
- LCD graphical display with automatic backlight
- Water and dust resistant to IP54
- DIGICAT 200 has depth estimation to 3m, accuracy typically better than ±10%
- DigiCat 200 GIS adds wireless connectivity to the range

DIGITEX™

- DIGITEX generator is a dual frequency generator for maximum flexibility
- Lightweight, with an alkaline battery that provides over 40 hours of continuous use
- Easy to use
- Water and dust resistant to IP57 (lid shut)
- Wide range of accessories available

DIGITRACE™

- Coiled 4.5mm diameter fibreglass rod on a reel
- Available in lengths of 30, 50 and 80 meters
- Connect to a DIGITEX signal generator to pass an 8kHz or 33kHz traceable signal either through the length of the rod or just the end
- Use to trace non-metallic pipes, such as drains, sewers, plastic pipes and plastic ducting

Laser Distance Meters



Leica DISTO™ D2

The small partner for simple measuring tasks

- Small and handy
- Illuminated 3-line display
- Flip-out end piece
- Stake out function
- Simple Pythagoras function

Leica DISTO™ D3

The multi-talented performer with a tilt sensor

- Integrated tilt sensor ($\pm 45^\circ$)
- Various measuring functions
- Room angle calculation
- Pythagoras and room function
- Automatic illuminated display and ON/DIST key
- Multi functional end-piece

Leica DISTO™ D5

Your powerful partner for long distances

- Digital Pointfinder with 4x zoom
- Large colour display screen (2.4 inches)
- Integrated tilt sensor ($\pm 45^\circ$)
- Pythagorean and trapezium functions
- Additional measurement information

Leica DISTO™ D8

The versatile one for in and outdoor with BLUETOOTH®

- 360° tilt sensor
- Digital Pointfinder with 4x zoom
- Large colour display screen (2.4 inches)
- BLUETOOTH® Technology
- Altitude Profile Measurement

Interior and Multipurpose Lasers



Leica Roteo 20HV

The basic model

- Fully automatic horizontal and vertical laser
- Wall mount bracket manually adjustable in height
- Easy access to the laser head for quick alignment of the laser beam
- Scan mode improves visibility

Leica Roteo 25H

Horizontal laser with laser receiver

- Fully automatic horizontal laser
- Inclination can be set
- Drop damage protection
- 150m (500 ft) range laser detector

Leica Roteo 35

The all-in-one rotating laser

- Fully automatic horizontal and vertical laser
- Motorised wall mount: For millimetre-accurate setting of the working height
- Drop damage protection
- Scan mode improves visibility

Leica Roteo 35G

The Leica Roteo 35G has all the characteristics of the Leica Roteo 35.

In addition, it has a green laser beam for better visibility in very bright conditions and over very long distances.



Line Laser

Leica Lino L2

The perfect alignment tool.

- Highly visible laser cross projection
- Pulse function with power-saving mode
- Modern, ergonomic housing – dust-proof and splash-proof to IP54
- Lock function for projecting at an angle and transport protection
- Easy to use with only two buttons
- Large glass lens to ensure remarkable visibility

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.



Swiss Technology
by Leica Geosystems

Total Quality Management – our commitment to total customer satisfaction.

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

Laser class 1 in accordance with IEC 60825-1 and EN 60825-1

Rugby 50
Rugby 100LR
Rugby 410DG

Laser class 2 in accordance with IEC 60825-1 and EN 60825-1

Rugby 55 (rotating scanning)
Rugby 100
Rugby 200 (rotating scanning)
Rugby 280DG (rotating scanning)
Rugby 320SG/420DG
Rugby 260SG/270SG
Lino L2
Disto D2/D3/D5/D8
Builder 100/200/300/400/500 (laser plummet)

Laser class 3R in accordance with IEC 60825-1 and EN 60825-1

Rugby 55 (stationary beam)
Rugby 200 (stationary beam)
Rugby 280DG (stationary beam)
Roteo 20HV/25H/35/35G
Builder 200/300/400/500 (PinPoint Distance meter)
Piper 100/200



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Leica Geosystems Construction Catalogue 2009



Leica Builder Series
Not just for foremen



Rugby 320 SG & 410/420DG
The toughest players on big fields



Leica DISTO™
Measures precisely – Exactly what you need.

Leica Geosystems AG
Heerbrugg, Switzerland

www.leica-geosystems.com

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