



# Leica Builder RM power

## Extend your Range



"It's nice to have some extra horsepower under the hood"

### Unmatched Simplicity and Flexibility

Leica Geosystems' design priority of an easy-to-use control concept gives the Leica Builder RM power unrivaled operational simplicity. When coupled with outstanding performance and accuracy, the unique Leica PowerSite software accelerates any construction site tasks. The state-of-the-art Electronic Distance Measurement (EDM) provides you the highest degree of measurement accuracy, quality and reliability. Simply aim and shoot.

### Features:

- Multiple Electronic Distance measurement
- Large, alphanumeric keyboard with high-resolution LCD
- Leica PowerSite – software solutions for construction site



## Meet the Builder Family:



### T100/T200

Rugged, high-quality, electronic theodolites. The best in the market. Compensates horizontal and vertical angle. Provides graphic levelling aid. Pin-code protection possible.



### R100/R200

The R100 and R200 series offer additional time saving and accuracy benefits with the built-in laser EDM feature, including PowerSite software for layouts and measurements.



### R100M/R200M

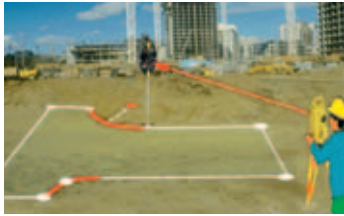
These models include a data exchange function for storing and transferring data for those who need to optimise workflow. Seamless dataflow e.g. between the architect and the Builder.



### RM power

The new Builder RM power additionally provides an alphanumeric keypad, multiple EDM and Leica PowerSite software.

# Extended Construction Sites



## Layout

All sorts of layout tasks can be done simply and quickly, no matter if it is about points, lines, or curved structures.



## Large Building Sites

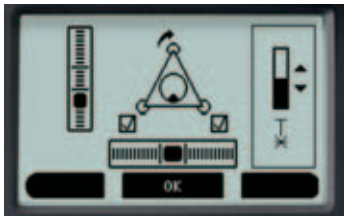
With the triple mode EDM, you can always choose the sensor that fits perfectly to all working ranges.



## Construction

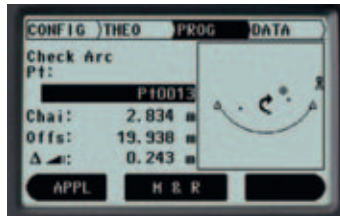
Measure and layout within geometries using intersection points or shifted parallel lines. Compute areas or volumes.

# Extended Support



## Graphic Levelling Aid

Fast and convenient setup thanks to the unique levelling aid and the laser plummet.



## Implementing the Plan is easy

Layout road elements, pillars or building walls – the right solution for the contractor in one comprehensive package.



## Graphic Sketches

Graphically display the most significant outline points from the site in a sketch format for fast identification and reference.

Angle Measurements and Telescope	
R100M power Standard deviation (ISO 17123-3)	9" (directional deviation <5 mm at 100 m)
R200M power Standard deviation (ISO 17123-3)	5" (directional deviation <3 mm at 100 m)
R300M power Standard deviation (ISO 17123-3)	3" (directional deviation <2 mm at 100 m)
Compensator	2-axis electronics/Opening range +/-4'
Telescope Magnification and Field of View (FOV)	30x, FOV 2.6 m at 100 m
Minimal target distance	1.7 m
Distance Measurement (red dot or fine/fast, tracking ON/OFF)	
Range red dot	170 m on Kodak Gray Card, 250 m on flat prism
Standard deviation (ISO 17123-4) (normal/tracking)	3 mm +2 ppm/5 mm +2 ppm
Time for a red dot measure	<2 s typical on flat prism
Measuring range (fine/fast/tracking)	1000 m on CPR111 Builder True Zero prism Up to 3500 m on single Leica round prism
Standard deviation (ISO 17123-4) (fine/fast/tracking)	2 mm +2 ppm/5 mm +2 ppm/5 mm +2 ppm
Time for a measure	<1 sec/ <0.5 sec/ <0.3 sec
Other Specifications	
Internal memory/Interface	10'000 Data blocks/RS232 or USB up to 19'200 Baud
Screen	160 x 280 pixels or alphanumeric 8 lines x 31 characters, both sides optionally
Laser Plummet Precision	1.5 mm at 1.5 m
Weight incl. tribrach and battery	5 kg
Power	NiMH Camcorder Types or 6 AA-batteries
Temperature	-20 to +50° C (operation), -40 to +70° C (storage)
Humidity	max. 95%, non-condensed
Dust and rain	IP54 (IEC 60529)

Whether you have to stake out a construction site precisely, 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 for your application.

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

**When it has to be right.**

Illustrations, descriptions and technical data are not binding. All rights reserved.  
 Printed in Switzerland – Copyright Leica Geosystems AG, Heerbrugg, Switzerland, 2007.  
 762325en – IX.07 – RDV



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

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

**Distance meter (red dot):**  
 Laser class 3R in accordance with  
 IEC 60825-1 resp. EN 60825-1

**Laser plummet:**  
 Laser class 2 in accordance with  
 IEC 60825-1 resp. EN 60825-1

**Distance meter (fine/fast):**  
 Laser class 1 in accordance with  
 IEC 60825-1 resp. EN 60825-1



**Leica GPS900**  
 Product brochure



**Leica DISTO A8**  
 Product brochure



**Leica Piper 100/200**  
 Product brochure



**Leica Rugby 100**  
 Product brochure



**Leica Sprinter**  
 Product brochure