

Leica Builder Series

Not just for foremen



SITE PROOF
by Leica Geosystems

- when it has to be **right**

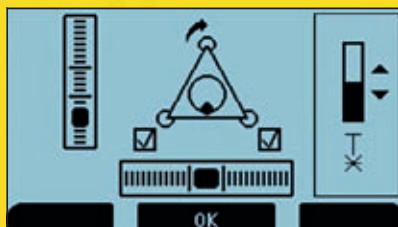
Leica
Geosystems

Discover the Leica Builder for your task.

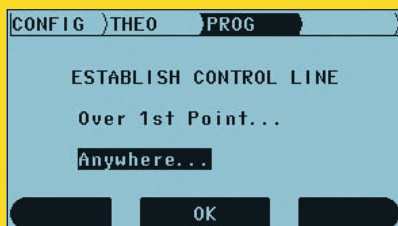
Still using a measuring tape or an optical theodolite? Do you need a tool that fulfils all measuring tasks on your construction site with ease, regardless of your profession? The Leica Builder does it all for you – trouble-free, accurately and much quicker. Simply discover the Leica Builder for your task.

The unique Builder setup method boosts your daily workflow.

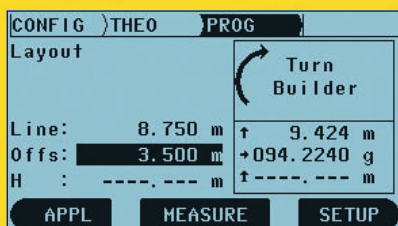
It's as easy as that ...



1 Follow the Setup Wizard to level the Builder



2 Define your Control Line



3 Enter desired Offset values from plan and follow display to set out or record the point(s)

 **Swiss Technology**
by Leica Geosystems



Connect Leica DX10 field controller

Load your preferred Software tool and keep working as usual.

1. Profile Boards

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



Your benefits:

- Precise transfer – directly from plans to the jobsite
- No tapes, strings, or plumbing-up required
- Re-setting damaged/missing boards take minutes

2. Line Layout

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



Your benefits:

- Simple alignment of structures along the lines
- Easy transfer of line and offset values from the plan
- Straightforward layout in inclined terrain

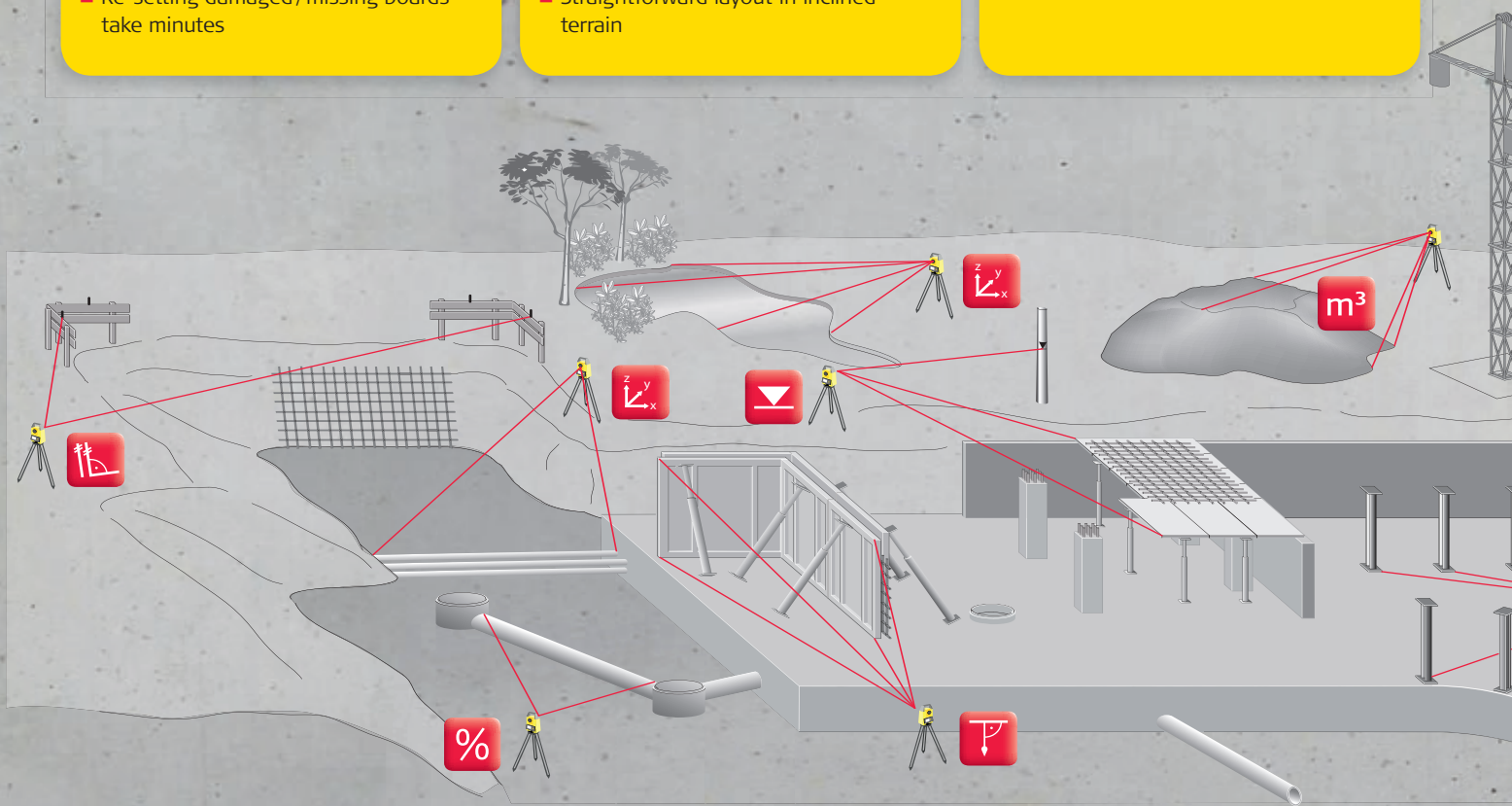
3. Volumes

How much m^3 did you really move today? Cutting to formation, mass haul, cut/fills, stockpile monitoring – keep right on top of your earthworks progress with Builder.



Your benefits:

- No more rough-guessing of truckloads
- Fast and accurate volume determination
- Digital protocol



Leica Laser Technology

Excellent signal strength and pinpoint accuracy, where you need it most.

Your benefits:

- "Know what's being measured"
- Precise measurement to corners and edges too



Data exchange via USB Stick or Bluetooth

Your benefits:

- Handy removable data storage
- Cable-free and fast connection
- New plan loadable simply on site



PowerSite Software

Professionals appraise the Builder's on-board programs designed to be the right tool for every job.

Your benefits:

- A solution for every application
- Amazing ease of use
- Versatile and fast to learn

4. 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°?



Your benefits:

- Checks in situ, precise and immediate
- Measure to non-accessible points
- Hardly possible with plumb bob and tape

5. As-Built

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



Your benefits:

- Stores “as built” data for client records, e.g. for future reconstruction
- Data storage in the Builder or externally via interface
- Easy integration in the CAD planning process

6. 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.



Your benefits:

- Ideal for tender preparation for surfaces of all kind
- Facts immediately on the spot
- 1-person mode via reflectorless measuring saves cost and time
- Simple capturing of inclined surfaces

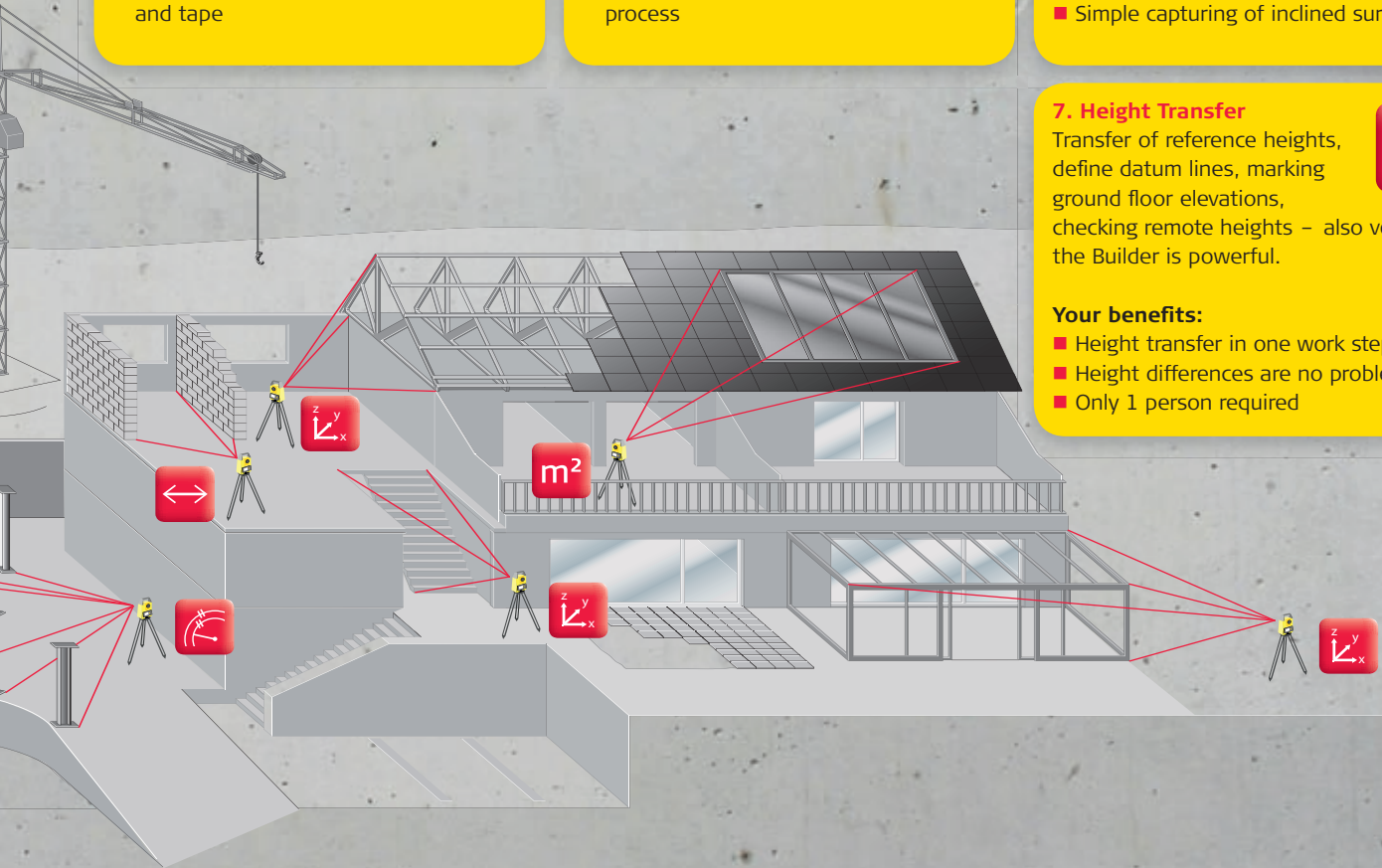
7. Height Transfer

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



Your benefits:

- Height transfer in one work step
- Height differences are no problem
- Only 1 person required



Simple, clear & intuitive Graphical Interface and best-in-class display technology

Your benefits:

- Graphical assistance thanks to spacious display
- Class-leading visibility, in all light conditions
- Graphic supports daily work flow



Setup with Control Line or coordinates
Existing axis form the reference line for the Builder.

Your benefits:

- Same procedure as known from working with the tape
- Work with line and offset values straight from the plan
- Free choice of setup positions



Multilingual support
the world is getting smaller, Builder is prepared.

Your benefits:

- Switch between 3 languages of your choice
- No errors due to linguistic misunderstandings
- 25 languages available



Builder Specifications	Builder 100	Builder 200	Builder 300	Builder 400	Builder 500
Full Power Site Software					✓
Accuracy up to 1.5 mm @ 100 m distance					✓
Wireless Communication					✓
-30°C ready					✓
Full RedDot range					✓
Prism Measurement Mode				✓	✓
Full internal memory				✓	✓
MEAS/REC Switch Key				✓	✓
Cell-phone style use				✓	✓
Extended RedDot range			✓	–	✓
Industrial USB Memory Stick			✓	✓	✓
USB Type A and mini B			✓	✓	✓
Volumes Calculation			✓	✓	✓
Data Im/Export to USB Stick			✓	✓	✓
Call up plan data & record points			✓	✓	✓
Direct DXF download			✓	✓	✓
1-person Station		✓	✓	✓	✓
Serial Interface		✓	✓	✓	✓
Tracking Mode		✓	✓	✓	✓
Laser Pointer Switch Key		✓	✓	✓	✓
PC/Handheld Interface		✓	✓	✓	✓
Laser Distance Measure		✓	✓	✓	✓
Control Line Setup		✓	✓	✓	✓
Free Choice Setup		✓	✓	✓	✓
Theft Protection	✓	✓	✓	✓	✓
Pit Stop Alert	✓	✓	✓	✓	✓
3 Languages	✓	✓	✓	✓	✓
Leveling Aid	✓	✓	✓	✓	✓
Sector Beep	✓	✓	✓	✓	✓
Dual Axis Compensator	✓	✓	✓	✓	✓
End-less Drives	✓	✓	✓	✓	✓
Laser Plummet	✓	✓	✓	✓	✓
Display Heating and Illumination	✓	✓	✓	✓	✓
Li-Ion Batteries	✓	✓	✓	✓	✓
Set Delivery	✓	✓	✓	✓	✓
Data Storage/Communication					
Internal Memory [points]	–	–	15'000	50'000	50'000
Angle Measurement					
Accuracy/Option	9"/6"	9"/6"	9"/6"	9"/5"	9"/5"/3"
Distance Measurement					
Laser Pointer	–	✓	✓	–	✓
without reflector (90% reflective)	–	80 m	120 m	15 m	250 m
to reflective tape (60 mm x 90 mm)	–	250 m	250 m	15 m	250 m
to glass prism	–	–	–	500 m (3500 m)	500 m (3500 m)
Laser Dot Size	–	At 30 m: approx. 7 mm x 10 mm, At 50 m: approx 8 mm x 20 mm			
General					
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



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 data are not binding. All rights reserved.
Printed in Switzerland – Copyright Leica Geosystems AG, Heerbrugg, Switzerland, 2009.
773691en – XII.09 – RDV



Total Quality Management –
our commitment to total
customer satisfaction.

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

Laser plummet:

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

Distance meter:

(PinPoint 200/300/400/500)
Laser class 3R in accordance
with IEC 60825-1
resp. EN 60825-1



The **Bluetooth®** word mark and
logos are owned by Bluetooth
SIG, Inc. and any use of such
marks by Leica Geosystems AG is
under license.



Leica RedLine
Tailor-made
Site Solutions



**Leica Rugby 260SG,
270SG, 280DG**
Easy to use grade
lasers



Leica Sprinter Family
One Button
Digital Levels



Leica Piper 100/200
The world's most
versatile pipe laser



Leica DIGISYSTEM™
Safe and fast location
of underground
services