

# Leica PowerTracker

## Grade Check has never been this simple!



### Leica PowerTracker

Leica PowerTracker brings industry leading performance and technology to you in a simple, easy to use, versatile package. Using PowerTracker will increase jobsite productivity and improve accuracy from the moment you switch it on.

Leica PowerTracker is a highly accurate robotic tracking sensor, which is the perfect tool for all your construction positioning needs. From stakeout, to machine control, to as-built verification PowerTracker is the ideal instrument to get the job done right the first time.

Designed specifically with the construction site and the construction user in mind, simply level the PowerTracker and GO. With no keyboard on the instrument and an extremely intuitive user interface, users will be up and running in no time.

### Benefits

- Simple to use:
  - No keyboard (Level and Go functionality)
  - Powerful easy to use software
  - Use one controller for many tasks
- Market leading performance
  - PinPoint Reflectorless mode
  - Power Search (Patented Search technology)
  - High accuracy static and dynamic modes
  - Superior tracking performance
  - High measurement frequency
  - High accuracy prism and accessories
- Save Money
  - Modular system design (pay for what you need)
  - Upgradeable as you grow
  - Work under any site conditions (rain, wind, sun, underground, in canyons, steep slopes ...)

- when it has to be **right**

**Leica**  
Geosystems

# Leica PowerTracker

## Stakeout, Machine Control, Grade Check ... I can do it all!

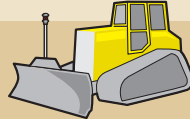
### One man robotic



Save Money and increase productivity by working in one man mode.

With industry leading tracking performance and patented Power Search technology PowerTracker will allow you to finish jobs faster and achieve higher accuracies.

### Machine Control



Work to the tightest tolerances under any site conditions.

The extremely high accuracy PowerTracker allows you to carry out fine grading and paving to the tightest tolerances operating at the highest of speeds. Work when and where you want to.

### Classic 2 man operation



Tried and tested. Work in 2 man mode with the benefits of the latest technology including PinPoint reflectorless technology.

With an extremely intuitive user interface anyone can carry out the most complicated of construction site measuring tasks.

Specifications	
Distance measuring accuracy (ISO17123-4)	Standard 1 mm + 1.5 ppm
	Tracking 3 mm + 1.5 ppm
Angular accuracy (ISO 17123-4)	3" (1.0 mgon) and 5" (1.5 mgon) sensors available
Level Compensation	Centralised Dual axis compensation "Level and Go Functionality"
Range to single prism*	3000 m
Range of ATR mode*	1000 m
Range of Lock mode*	800 m
Reflectorless Range	250m
Measurement frequency	12 Hz Synchronised (0.08 s)
Prism search functionality	Power Search / ATR / EGL
Maximum rotation speed	45° per second
Maximum lock speed	5 m/s or 18 km/h
Weight	4.8 kg
Communication	Bluetooth® / RS232 Optional 2.4 GHz radio modem
Environmental Specifications	IP54
Working temperature	-20° C to +50° C
Storage temperature	-40° C to +70° C
Data Storage	Compact Flash CFII cards
Laser Plummet	1 mm at 1.5 m

\* All measurement specifications are to a standard Leica GRP1 prism under favorable conditions

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Leica PowerTracker has your entire site covered. Data capture, control measurements, stakeout, machine control, as-built site verification can all be done quickly and easily with the versatile PowerTracker.

Packed with exciting features, built for speed, accuracy, ease of use and reliability PowerTracker will impress all. The PowerTracker will provide you with the perfect tool for your entire construction site positioning needs.



**Reflectorless (RL)**  
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 (IR), ATR and PowerSearch, Guide light (EGL):**  
Laser class 1 in accordance with IEC 60825-1 resp. EN 60825-1



**Leica PowerTracker**  
Tracking sensor



**Leica MPR122 360° Prism**  
High accuracy target



**Leica PowerBox**  
GNSS Receiver



**Leica PowerAntenna**  
GNSS Receiver



**Leica DX10-R**  
Windows Mobile™ controller



**Leica MCP950C**  
WinCE™ controller

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**Total Quality Management -**  
Our commitment to total customer satisfaction.

Find out more about our TQM program from your local Leica Geosystems representative.

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