Leica PowerDigger Plus
The new enhanced excavator control system

Enhanced Digging Accuracy of ±10 mm

Increase productivity and fun of operating
Enhanced graphics with all the guidance info an operator could ever want – Easier user menu with more functions – New Tilt Bucket Sensor, New Remote Display and an interface to a Cable Detection sensor – Plus more than 20 new features and enhancements are now available to the professional contractor.

The all new PowerDriller function enables precise vertical positioning of sheet piles.

Key benefits of PowerDigger Plus
- Higher productivity due to simplified user interface and unique new functions
- New Remote Display supported
- Interface to EZiDIG Buried Service Detector. Operator will be warned of buried cables by an audio alarm and indication on the screen while digging
- Selectable Bucket Reference point
- Reach measurement always displayed on the screen; no manual checking any more
- Easy vertical positioning of sheet piles with the new PowerDriller function
- Drilling to a preset depth
User-friendly menu structure
A simplified menu structure makes for easier setup and higher productivity. Incorporating the feedback and suggestions from our huge user community, we offer you a system „designed by operators for operators“. All frequently needed settings are arranged for fast access.

Cross Slope display in Single slope mode
Monitor the cross slope of the bucket – either if a Roll sensor has been mounted on the chassis of the machine or if a Tilt Bucket sensor is part of the system.

Actual bucket slope displayed
See the actual slope of tilt bucket for quick check of the correctness of the constructed slope, or to measure existing slopes.

Selectable Bucket Reference point
With PowerDigger Plus it is now possible to select the reference point on the bucket. You can toggle through 4 settings – Left, Middle, Right or Lowest Point. This is particularly useful in confined digs where it is not always possible to use the middle of the bucket as reference point.

Reference method displayed
Reference height used is clearly displayed, with offset now linked to the reference method used.
- Local reference (e.g. benchmark, hub)
- Laser reference
- 3D reference

Offset direction displayed
Ideal for adding offsets to the surface – e.g. if the operator is adding a finishing layer of dirt on a slope.
- Surface is offset vertically
- Surface is offset along the Surface Normal (90deg to the surface)

Reach measurement displayed
The horizontal reach from the reference point is displayed on screen. Project dimensions from a drawing can be set-out directly using the machine. The operator no longer has to get out of the cab to do manual measurements.

Unique Functions

PowerDriller
Your excavator can do so much more than just dig holes! With PowerDriller, we expand your applications, helping you maximise your return on investment. It was designed to meet the demand for an excavator-mounted sheet pile vibrator.

With the PowerDriller function the operator can easily position the sheet pile in a vertical position, maintaining perfect verticality to the exact required depth. Simple and fast! PowerDriller saves you time and control survey work with many drilling and piling applications.

Real Time Cable Detection
PowerDigger Plus is the only excavator control system on the market that features an integrated buried services detecting warning. An EZiDIG cable detection sensor can be interfaced directly to the PowerDigger Plus CAN connection. The operator will be warned by an audio alarm and a scalable bar appearing on the screen while he is excavating.

Inadvertently striking underground services (e.g. electricity cable, gas pipes ...) can result in serious personal injury and property damage, and can involve very high cost for the originator. The integrated cable avoidance in PowerDigger Plus increases digging safety and can avoid costly damages.

Total Quality Management – our commitment to total customer satisfaction.
Ask your local Leica Geosystems dealer for more information about our TQM program.

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