

GeoMax Digital Level ZDL700 Series



At GeoMax we understand that you require accurate results and demand ease of use in combination with fast operation. That's why we have introduced the ZDL700 Digital Level for the surveying and construction world. Now you can 'go digital' for your entire leveling task with a product that delivers outstanding price-performance and "Works when you do!".

Quick, Easy & Error-free

The super fast measurement speed of less than 3 sec. in combination with the simplicity of the one-push measure and store functionality provides faster, more economical workflow. Digital reading combined with internal memory make miss-readings and operator interpretation errors a thing of the past.

Accurate

Extensive field tests verify the excellent accuracy of the ZDL700 of 0.7 mm for 1 km double-run level. This makes the ZDL700 an ideal level not only for high order leveling but also deformation measurements and precise surveying, as well as general construction.

Large Internal Memory

To further enhance your leveling, memory for up to 2'000 points is integrated in the ZDL700. Features like the ability to switch between manual and automatic point numbering increase not only your flexibility but also allow you to document your work on the fly.

Seamless Dataflow

The data recorded on the job site can be simply downloaded by connecting the ZDL700 with a PC or laptop. Seamless dataflow from field to finish is guaranteed. In addition, external data collectors or PDAs provide you with an additional degree of flexibility for downloading or processing your measurements online.

Technical Data

Accuracy

Height accuracy ± 0.7 mm/km
Distance accuracy $D < 10$ m, 10 mm | $D \geq 10$ m, $0.001 \times D$

Systems

Maximum Range 105 m
Minimum Range 2 m
Single measurement speed < 3 sec.
Minimum lighting condition 20 Lux
Minimum field of view ≥ 50 %

Display

Minimum resolution (Ht) 0.1 mm
Minimum resolution (Dist) 1 mm

Telescope

Magnification 24 x

Compensator

Range $\pm 10'$
Setting accuracy $\pm 0.35''$

Communication

Internal memory 2'000 measurements

Interface RS232

Environmental conditions

Operating / Storage Temperature $-10^\circ \text{C} \sim +50^\circ \text{C} / -40^\circ \text{C} \sim +70^\circ \text{C}$

Protection to dust and water IP55

Weight

Weight including battery < 2.5 kg

Battery

AA dry cells (4XLR6 / AA 1.5V)

1800mAh / 2300mAh 14 / 16 hours continuous measurement

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