



GeoMax Automatic Level ZAL100 Series

Suitable for outdoor as well as for indoor use the user friendly ZAL100 Auto Level Series from GeoMax is your guarantee to get the job done, accurate and on time.

Built **to** **Last**
With the ZAL100 Series GeoMax introduces an automatic level to the construction industry designed for your daily levelling tasks with outstanding price-to-performance ratio. Meeting the IP54 class specifications guarantees all weather operation of the ZAL100 Series and provides you with an instrument that “Works when you do!”.

- 2.0mm/2.5mm (ZAL124/ZAL120) Standard deviation for 1km double-run levelling
- 24x/20x (ZAL124/ZAL120) Magnification
- Erect Image
- Double sided endless drives
- 36mm clear objective lens
- Cross hairs with stadia lines
- Automatic air-damped system
- $\pm 15'$ working range of compensator
- 360° graduation on horizontal circle
- -20°C to +40°C operating temperature range
- Concave and flat base for 5/8” base screw

Geomax ZAL – 100 Technical Specifications:

ZAL100 Series

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Telescope

	ZAL132	ZAL128	ZAL124	ZAL120
Objective aperture	36 mm clear objective lens			
Magnification	32x	28x	24x	20x
Image	Erect			
Field of view	< 2.1 m at 100 m			
Minimum focusing distance	< 1.0 m			
Reticle	Cross hairs, with stadia lines			
Stadia multiplication constant	100			
Stadia additive constant	0			

Compensator

Damping system	Automatic, air-damped			
Working range	± 15"			
Setting accuracy (standard deviation)	< 0.5"			

Levelling Accuracy

Standard deviation for 1km double-run levelling	2.0 mm			2.5 mm
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Horizontal Circle

Diameter	106 mm			
Graduation / Intervals	360° / 1°			

General

Sensitivity of circular bubble	8' / 2 mm			
Mirror for circular level	Plane mirror			
Horizontal fine motion screws	Double-sided endless drive			
Dust and Water resistance	Conforms to IP54 (IEC60529)			
Base / Base screw	Concave and flat / 5/8"			
Weight	1.5 kg			
Operating temperature range	-20° C to +40° C			

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