



GDL - 02

Digital Level



- High Accuracy 1.5mm
- Trigger Key Function
- Clear 4-line illuminated TFT display
- Magnetic-damped Compensator
- Large memory: 16 MB (20,000 points)
- Rugged IP54 dust & water protection



Software

Seamless Transfer with Various Data Formats

StationNum	SD_Length	AccSightDistLength	SD_Dif	d	HeightDif
1	36.2335	36.2335	0.1135	0.1135	
2	54.662	59.9155	-0.262	-0.2485	
3	48.915	138.805	-0.937	-1.065	
4	35.008	173.9185	-0.458	-1.5425	
5	37.1895	211.0380	-0.615	-2.2580	
6	55.149	246.1410	0.731	-1.5040	
1	55.1430	55.1430	-0.7300	-0.7300	
2	37.1975	62.3405	0.6355	-0.4465	
3	35.1025	131.4430	0.4665	0.2395	
4	48.9955	176.3485	1.0975	1.4365	
5	54.6470	230.9955	0.2240	1.6605	
6	30.2170	266.2125	-0.3050	1.3345	

Precision Analysis & Report

The DL Data Download & Processor Software, makes the field work easier to display the complex leveling tasks.



Digital Level GEOMARQ GDL-02



Specifications

Item	GDL-02	
Height Accuracy (standard deviation for 1km double run leveling)	Digital Reading	1.5mm
	Optical Reading	2.0mm
Distance Accuracy	Digital Reading	D≤10m:10mm; D>10m:D*0.001
Distance Range	Digital Reading	1.8m~110m
	HD	0.1mm/1mm
Minimum Display	Distance	0.1/1cm
	Measuring Time	Within 3s in normal condition
Telescope	Magnification	32X
	Resolving Power	3"
	Field of View	1°30'
	Multiple Constant	100
	Additive Constant	0
Compensator	Type	Magnetic-damped
	Range	>±12'
	Accuracy	0.50"/1'
Battery	Operating Time	16 hours
Data Storage	Storage	16MB (20000 Points)
	Point Name	Increasing/Decreasing/Customized
	Connection	USB
Circular vial Accuracy	8'/2mm	
Display	128*32dpi LCD with illumination	
Working Temperature	-20°C~50°C	
Dimension	230mmX150mmX210mm	
Weight	2.5kg	
IP Standard	IP54	

Invar Staff GSI-20M Specification

1	Circle Bubble	≤12'/2mm
2	Surface curvature distinction	≤4mm
3	Vertical of central axis and underside	≤5'
4	Tolerance of zero point	≤0.05mm
5	Basic barcode graduation tolerance	Deviation ≤0.02mm
		Standard deviation ≤0.013mm
6	Interval tolerance	≤0.04mm

GEOMARQ CORPORATE OFFICE

207, 2nd Floor, Shivlok House-1,
Karampura Commercial Complex,
New Delhi – 110015
Tel: +91-11-42248200
E-mail: sales@geomarq.com
http://www.geomarq.com



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