

RL SERIES

Digital Level



Features

- Advanced Accuracy
- Trigger Key Function
- 3.0 Inch Colorful Touch Screen
- Magnetical-damped Compensator
- Multiple Data Transform
- Bluetooth Remote Control







RL-03 RL-07 RL-15

Softwore

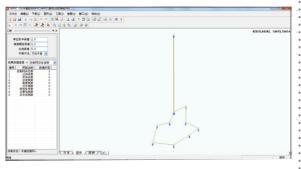




Other Setting	g]				
Date		2017		05.	04
Time		09	:	53:	21
User Key		Test		•	
User Manual		ON		•	
Auto OFF		OFF		•	
Back	1/2			0	K

[Stake Out]	N	
BS.Ponit NO:	A1	Find
Height:	0.00000	m
Sight Height:		m
Staff Record:		m
Stadia:		m
Back		OK

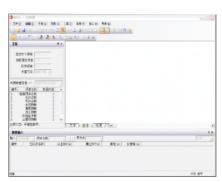
Intelligent On-board System for RL-03



Powerful Post-processing Software

It contains adjustment routines for dynamic adjustment of horizontal & vertical control network and angle & direction adjustment.

Easily zoom in or out to see the overall data in graphic.



Seamless Transfer with Various Data Formats

StationNum	SD_Length	AccSightDistLength	SD_Diff	d		Heigh	tDiff							
1	35.2335	35.2335	0.1135	0.1135	Tr					Ruled	beading		Austrical	
2	54.682	89.9155	-0.262	-0.1485	TΙ	StationNam	90 DW	FILDM	Direction	FirstReading	SecondRead ing	FloatingOff	Off	Remark
3	48.915	138.8305	-0.937	-1.0855	Τì				Back	1,50009	1 50902	-0.00003		A1(Back)
4	35.088	173.9185	-0.458	-1.5435	ŦΙ	1	17.6736	17.560	Frant Back	1.47166	1.47109	-0.00004 0.00001	8.114035	3(Fixed) GO BEFF
5	37.1895	211.1080	-0.6915	-2.2350	71		E 1135	8.1135	Frant	1.11004		1 00001		
6	55.139	266.2470	0.731	-1.5040	Ti				Back Front	1.46537	1.46327	E 90818 -0.00024		3(Back) 3(Foot)
1	55.1430	55.1430	-0.7300	-0.7300	TI	2	27.210	27.472	Dack-	-0.02374	-0.10408	E 80834	-0.02391	GO FEED
2	37.1975	92.3405	0.5835	-0.1465	Τl		-4.262	-0.1496						
3	35.1025	127.4430	0.4855	0.3390	71				Eack	1,60006	1,92199	£ 90904 -8 90901		3(Rack)
4	48.9055	176.3485	1.0975	1.4365	71	1	23.989	24.926	Back- Ford	8.01348	8 81333	E 90907	8 813366	GO BFFE
5	54.6470	230.9955	0.2240	1.6605	TI.		4.907	-1.0855					1	
6	35.2170	266.2125	-0.3260	1.3345	1				Dack Front	1,51396	1.51401	-0.00005 E.00000	-	4(Back) SiTront
					_	4	17.315	17.773	Back- Freet	8.17445	8.17458	-0.00005	0.174475	GO FEE

Precision Analysis & Report

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

Specifications

Item		RL-03	RL-07	RL-15			
Height Accuracy (standard deviation for		0.3mm	0.7mm 1.5mm				
1km double run leveling) Optical Reading		2.0mm					
Distance Accuracy Digital Reading		D≤10m:10mm;D>10m:D*0.001					
Distance Range	Digital Reading	2m~110m					
Minimum Display	HD	0.01mm/0.1mm/1mm	1mm/0.1mm	0.1mm/1mm			
William Display	Distance	0.1/1cm					
Measuring Time		within 3s in normal condition					
	Magnification		32X				
	Resolving Power		3"				
Telescope	Field of View	1°30'					
	Multiple Constant	100					
	Additive Constant	0					
	Туре	magnetic-damped					
Compensator	Range						
	Accuracy	0.20"/1'	0.30"/1'	0.50"/1'			
	Storage	128MB 16MB					
Data Storage (for only DL-201,	Point Name	increasing	omized				
DL-2007)	Connection	RS232/Bluetooth	USB				
	External Storage	U disk		O Card			
Circular vial Accuracy		8'/2mm					
Display		3.0 inch LCD Colorful Touch Screen	160*64dpi LCD with illumination	128*32dpi LCD with illumination			
Working Temperature		-20°C~50°C					
Dimension		230mmX225mmX203mm 230mmX150mmX210					
Weight		3.1kg 2.5kg					
IP Standard		IP65	IP54				

Invar Staff NSI-20M Specification

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



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