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

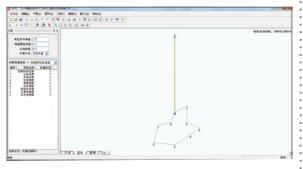




[Other Setting	g]				
Date		2017		05.	04
Time		09	:	53:	21
User Key		Test		•	
User Manual		ON		•	
Auto OFF		OFF		•	
Back	1/2			C	K

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

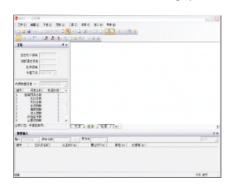
Intelligent On-board System for RL-03



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	T				т	RulerExading			Austricate	
2	54.682	89.9155	-0.262	-0.1485	Ι		90 DW	FILDM 4	Direction	FirstReading	SecondRead ing	FaustrigOff	Off	Remark
3	48.915	138.8305	-0.937	-1.0855	7				Back	1,50009	1,98992	-0.00003	Ħ	A1(Sack)
4	35.088	173.9185	-0.458	-1.5435	T	,	17 6716	17.560	Frant Back-	1.67106 8.11604	1.67109 6.11403	-0.00004 0.00001	8 114036	SFRM) GO REFE
5	37.1895	211.1080	-0.6915	-2.2350	Ť		57.8735 6.1135	8.1136	Front	8 11896	8 11803	1 30001	-	
6	55.139	266.2470	0.731	-1.5040	Ť				Back	1.44537	1.46527	E 90616		3(Back)
1	55.1430	55.1430	-0.7300	-0.7300	Ť	2	27.210	27.672	Front Back-	0.00374	1.40305	-0.00024 0.00034	-0.02391	S(Front)
2	37.1975	92.3405	0.5835	-0.1465	T	4 262 - 0 1496			1					
3	35.1025	127.4430	0.4855	0.3390	Ť				Eack	1,60006	1,60199	E 90904 -0.00901	-	3(Rack) Alface)
4	48.9055	176.3485	1.0975	1.4365	t	1	23.989	24.926	Back-	0.01000	8 81333	E 90907	8 813366	GO BFFE
5	54.6470	230.9955	0.2240	1.6605	Ť	4.907 -1.0855								
6	35.2170	266.2125	-0.3260	1.3345	t				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	8.17475	GO FEE
							-0.458	-1.5426	-				1	

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	Digital Reading	0.3mm	0.7mm	1.5mm			
(standard deviation for 1km double run leveling)	Optical Reading	1.0mm					
Distance Accuracy	Digital Reading	D≤10m:10mm;D>10m:D*0.001					
Distance Range	Digital Reading	1.5m~100m					
Minimum Display	HD	0.01mm/0.1mm/1mm	1mm/0.1mm	0.1mm/1mm			
Willimidili Display	Distance	0.1/1cm					
Measuring Time		within	3s in normal condi	tion			
	Magnification		32X				
	Resolving Power		3"				
Telescope	Field of View	1°20'					
	Multiple Constant	100					
	Additive Constant	0					
Туре		magnetic-damped					
Compensator	Range	>±12'					
	Accuracy	0.20"/1'	0.30"/1'	0.50"/1'			
	Storage	50000 Pts. 10000P		00Pts.			
Data Storage	Point Name	increasing/decreasing/customized					
	Connection	RS232/Bluetooth	U	USB			
	External Storage	U disk	SD Card				
Circular vial Accuracy		8'/2mm					
Display		2.4 inch LCD Screen(240 x 160)	160*64dpi LCD with illumination	128*32dpi LCD with illumination			
Working Temperature		-20°C~50°C					
Dimension		230mmX225mmX203mm	230mmX150	OmmX210mm			
Weight		3.5kg	2.5kg				
IP Standard		IP55	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