

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

Auto OFF

Back

[Meas]		-	[Adjust Fig]	2/2 Back	
1 Meas	2 Data	3 Adjust	Aim B sta	ff first, Aim A staff	
trianal de la constante de la	5 Set	6 Help		arround 15-20m OCC 2	7
[Other Setti	1	_	[Stake Out]	N	_
LOther Setti					
Date	2017	. 05. 04	BS.Ponit NO:	A1 Fir	hd
Time	09	: 53: 21	Height:	0.00000	m
User Key	Test	A 1	Sight Height:		m
User Manua	I ON	< >	Staff Record:		m

Intelligent On-board System for RL-03

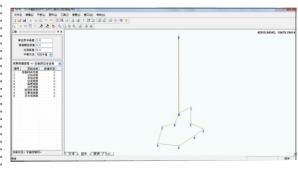
Stadia:

Back

OK

OFF

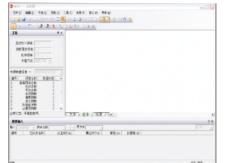
1/2



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

						٦	¢Diff	Heigh	d	SD_Diff	AccSightDistLength	SD_Length	StationNum
-			bading			-			0.1135	0.1135	35.2335	35.2335	1
Diff Rem	alingCell Angihight	FaatingOff	SecondRead ing	FestBading	Desction	FILDM.	88,0H		-0.1485	-0.262	89.9155	54.682	2
At(B)		-8 00003	1,98992	1 50509	Back				-1.0855	-0.937	138.8305	48.915	3
3/FH 114035 GO B	8 1140	-8.90904	1.47109	1.47195	Frant Back-	17.560	17.6735		-1.5435	-0.458	173.9185	35.088	4
	21	1 20001		1 1100	Freet	8.1135	0.1135		-2.2350	-0.6915	211.1080	37.1895	5
3,50#		0.00010	144127	1.44537	Beck				-1.5040	0.731	266.2470	55.139	6
3/1x	4127	-0.00024	1.40305	1.40311	First Date	27.472	27 212	2	-0.7300	-0.7300	55.1430	55.1430	1
	100.0	100004			Fred	-0.1495	-4.262		-0.1465	0.5835	92.3405	37,1975	2
3,94		8.00006	1.92199	1.60205	Eack Event				0.3390	0.4855	127,4430	35.1025	3
	4 81 33	E 00007	1.0004	1000	Back-	24.926	23.989	3	1.4365	1.0975	176.3485	48.9055	4
					-1.0855	4.997		1.6605	0.2240	230,9955	54.6470	5	
4,04		-8 00005	1.51401	1.51296	Deck Freed				1.3345	-0.3260	266.2125	35.2170	6
	8.1744	-0.00005	8.17458	8.17445	Deck-	17.773	17.315	4					
	1					1.54%	1.451	1					

Precision Analysis & Report

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

Sure -	

Specifications

m

OK

Item		RL-03	RL-07	RL-15			
Height Accuracy (standard deviation for	Digital Reading	0.3mm	0.7mm	1.5mm			
1km double run leveling)	Optical Reading	2.0mm					
Distance Accuracy Digital Readi		D≤10m:10mm;D>10m:D*0.001					
Distance Range	Distance Range Digital Reading		2m~110m				
Minimum Display	HD	0.01mm/0.1mm/1mm	1mm/0.1mm	0.1mm/1mm			
ivinini di Display	Distance						
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	>±12'					
	Accuracy	0.20"/1'	0.30"/1'	0.50"/1'			
	Storage	128MB	16MB				
Data Storage (for only DL-201,	Point Name	increasing/decreasing/customized		omized			
DL-2007)	Connection	RS232/Bluetooth	U	SB			
	External Storage	U disk	SD C	Card			
Circular vial Accuracy		8'/2mm					
Display		3.0 inch LCD Colorful Touch Screen	160*64dpi LCD 128*32dpi LC with illumination with illuminat				
Working Temperature		-20°C~50°C					
Dimension		230mmX225mmX203mm	230mmX150mmX210mm				
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	

RUIDE SURVEYING INSTRUMENT CO., LTD.

Add: 7/F, No.39 Si Cheng Road, Tian He IBD Guangzhou 510663, China Tel: +86-20-23380961 E-mail: support@ruideinstrument.com http://www.ruideinstrument.com