



High Precision Intelligent Digital Level



High-tech, High precision

- •Observation accuracy 0.3mm
- •Compensation accuracy 0.2"
- "Precise Mode" can minimize error
- •A dedicated barcode staff NIS20M

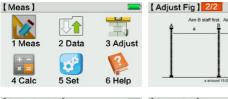
Intelligent Device, Greater Efficiency

- •3" TFT touch screen, intuitive display and operation
- •Voice guide to prevent wrong operation
- •USB pen drive and Bluetooth data export, no need of driver and card reader
- "Automatic Mode" can reduce user's workload and fatigue
- •Remote control by data collector via Bluetooth, avoid vibration to instrument

Design For Large Project & Night Work

- •Backlight with screen/ button/ bubbles
- •3100mAh lithium battery works up to 20 hours
- •Sleeping mode can extend working hours
- •128M onboard memory, saving 150,000 pts
- •Trigger Key helps you measuring faster
- Protection level IP65

User Friendly



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Time		09	: 53	: 2	21	Height:
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Auto OFF		OFF		•		Stadia:
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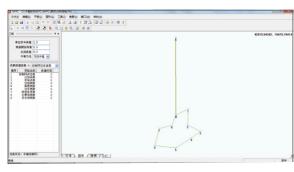
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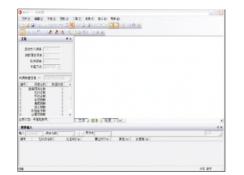
Colorful Icon Menu & Graphic Guidance



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						Draction		RulerReading			
2	54.682	89.9155	-0.262	-0.1485	StationNam	88,0H	11,04	FestBaaling	ExcentRead		FaatingOff	Off	Remark		
3	48.915	138.8305	-0.937	-1.0855			-	Back	1,50509	1,99992	-8.00003		MBeck		
4	35.088	173.9185	-0.458	-1.5435		1000	17 640	Frank Back-	1,67105	1.47999	-8.90904	8 114035	3(Fixed) GO BEFE		
5	37.1895	211.1080	-0.6915	-2.2350		6.1135	8.1135	Fort	1 1100		1 00001				
6	55.139	266.2470	0.731	-1.5040				Beck	1.44537	1.44827	8.00818		3(Back)		
1	55.1430	55.1430	-0.7300	-0.7300	2	27.232	27.472	Fort Deck-	1.40311	1.40325	-0.00024	-0.02791	S(FREE		
2	37,1975	92.3405	0.5835	-0.1465		-4.262	-0.1495	71916							
3	35.1025	127,4430	0.4855	0.3390	+			Eack Exect	1.60205	1,92199	1 00006		3(Rack) AExat		
4	48.9055	176.3485	1.0975	1.4365	1	23.989	24.926	Each-	1000	1 21004	E 00007	8 813366	GO BFFE		
5	54.6470	230.9955	0.2240	1.6605	+	4.997	-1.0855								
6	35.2170	266.2125	-0.3260	1.3345	+			Dack Front	1.51296	1.51401	-8 00005		4(Back) Silliont		
						17.315	17.773	Dech-	8.17445	8.17458	-0.00005	0.174475	GO FEE		
						-1.454	-1.5425			-		1 1			

Precision Analysis & Report

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



Specifications

Item		KL-03				
Height Accuracy						
(standard deviation for	Digital Reading	0.3mm				
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				
	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	>±12'				
	Accuracy	0.20"/1'				
	Storage	128MB				
Data Storage	Point Name	increasing/decreasing/customized				
	Connection	RS232/Bluetooth				
	External Storage	USB Pen Drive				
Circular vial Accuracy		8'/2mm				
Display		3.0 inch LCD Colorful Touch Screen				
Working Temperature		-20°C~50°C				
Dimension		230mmX225mmX203mm				
Weight		2.5kg				
IP Standard		IP65				

Invar Staff NSI-20M

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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