



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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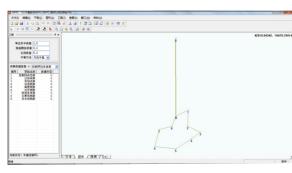
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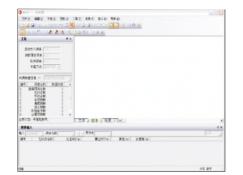
Colorful Icon Menu & Graphic Guidance



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					Ruled				
2	54.682	89.9155	-0.262	-0.1485	StationNam	88_0H	FILOW	Desction	FestBauling	DecontRead	FaadingCoff A	Off	Remark
3	48.915	138.8305	-0.937	-1.0855			-	Back	1,50509	1,58932	-8.90903	i i	An(Back) 3(Fixed) GO BFFB
4	35.088	173.9185	-0.458	-1.5435	· .	2.675	17.560	Frant Back-	1.47105	1.47109	-8 30904	8 114035	
5	37.1895	211.1080	-0.6915	-2.2350	1	0.1135	8.1135	First	1 11205		1 20001		
6	55.139	266.2470	0.731	-1.5040				Beck	1.44537	144327	8.00816		3(Back) 3(Front) GO FEEP
1	55.1430	55.1430	-0.7300	-0.7300		27 232	27.472	Frant Deck-	1.4011	1.40335	-0.00024	-0.02791	
2	37,1975	92.3405	0.5835	-0.1465	1	-4.262	-0.1495	Fred					
3	35.1025	127 4430	0.4855	0.3390	+			Eack East	1 82205	1,92198	8 80806	11	3(Rack) A(Foot) GO BFFB
4	48.9055	176 3485	1.0975	1.4365	1	23.989	24.925	Each-	1000	1.0000	6.00007		
5	54.6470	230.9955	0.2240	1.6605	+	-4.997	-1.0855	rist					
6	35.2170	266.2125	-0.3260	1.3345	+		-8 00005 6 00000		4(Back) STront				
-					- I -	17.315	17.773	Dech-	1,23851	1.33851	-0.00005	0.174475	00 FBB
						-1.458	-1.5425						

Precision Analysis & Report

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



Specifications

ltem		KL-03			
Height Accuracy	Digital Reading	0.3mm			
(standard deviation for		2.0mm			
1km double run leveling					
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

