

KL-03

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

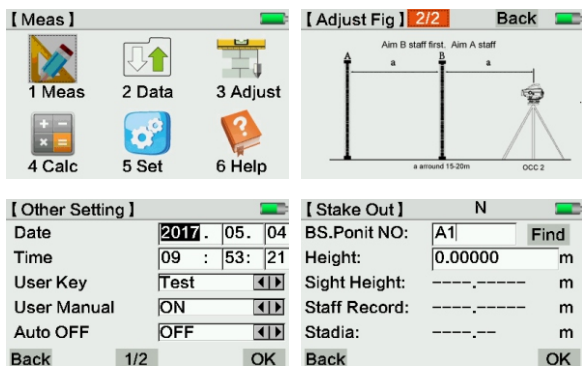
Intelligent Device, Greater Efficiency

- 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

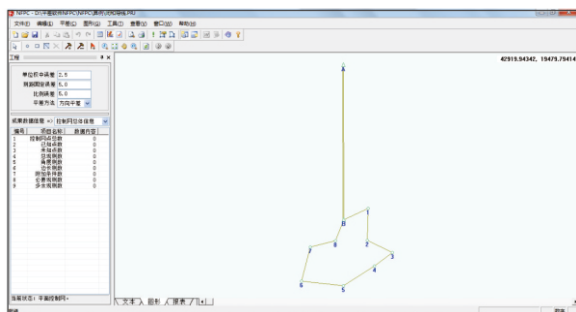
Design For Large Project & Night Work

- Backlight with screen/ button/ bubbles
- 3400mAh 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



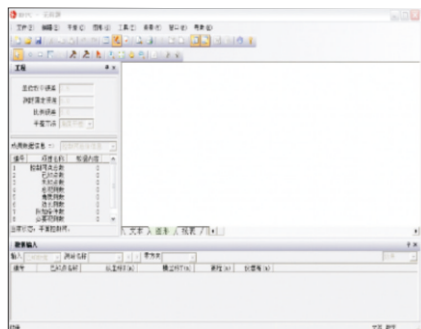
Colorful Icon Menu & Graphic Guidance



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

Station/Line	SD_Length	AccLightDist.Length	SD_Offset	d	HeightDiff
1	35.2335	35.2335	0.1135	0.1135	
2	54.682	89.9155	-0.262	-0.1485	
3	48.915	138.8305	-0.937	-1.0855	
4	35.088	173.9185	-0.458	-1.5435	
5	37.1895	211.1080	-0.6915	-2.2350	
6	55.139	266.2470	0.731	-1.5040	
1	55.1430	55.1430	-0.7300	-0.7300	
2	37.1975	92.3405	0.5835	-0.1465	
3	35.1025	127.4430	0.4855	0.3390	
4	48.9055	176.3485	1.0975	1.4265	
5	54.6470	230.9955	0.2040	1.6605	
6	35.2170	266.2125	-0.3260	1.3345	

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 1km double run leveling)	Digital Reading	0.3mm
	Optical Reading	2.0mm
Distance Accuracy	Digital Reading	D≤10m:10mm;D>10m:D*0.001
Distance Range	Digital Reading	120m
Minimum Display	HD	0.01mm/0.1mm/1mm
	Distance	0.1/1cm
Measuring Time		within 3s in normal condition
Telescope	Magnification	32X
	Resolving Power	3"
	Field of View	1°30'
	Multiple Constant	100
	Additive Constant	0
Compensator	Type	magnetic-damped
	Range	>±12'
	Accuracy	0.20"/1'
Data Storage	Storage	128MB
	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
Battery Capacity		3400mAh

Invar Staff NSI-20M

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