

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

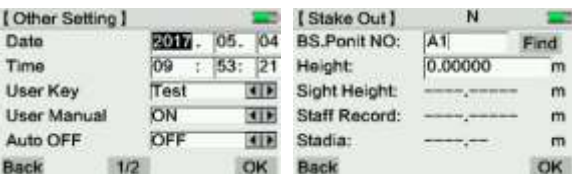
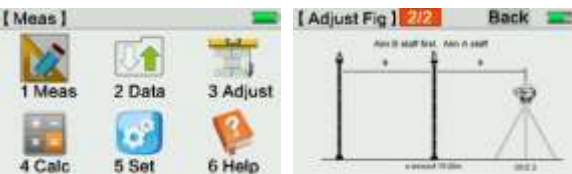
Intelligent Device, Greater Efficiency

- 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

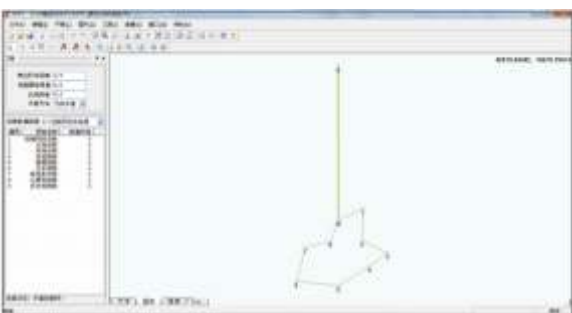
Design For Large Project & Night Work

- 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

Material	Std. Length	Accepted range	Std. Dev.	Accepted range	Material	Std. Length	Accepted range	Std. Dev.	Accepted range
1	9.1715	8.9708 - 9.3722	0.0102	0.0102	1	9.1715	8.9708 - 9.3722	0.0102	0.0102
2	10.997	10.795 - 11.199	0.202	0.160	2	10.997	10.795 - 11.199	0.202	0.160
3	10.973	10.770 - 11.176	0.207	0.163	3	10.973	10.770 - 11.176	0.207	0.163
4	10.983	10.780 - 11.186	0.208	0.163	4	10.983	10.780 - 11.186	0.208	0.163
5	10.985	10.782 - 11.188	0.209	0.163	5	10.985	10.782 - 11.188	0.209	0.163
6	10.970	10.767 - 11.173	0.211	0.163	6	10.970	10.767 - 11.173	0.211	0.163
7	10.970	10.767 - 11.173	0.211	0.163	7	10.970	10.767 - 11.173	0.211	0.163
8	10.970	10.767 - 11.173	0.211	0.163	8	10.970	10.767 - 11.173	0.211	0.163
9	10.970	10.767 - 11.173	0.211	0.163	9	10.970	10.767 - 11.173	0.211	0.163
10	10.970	10.767 - 11.173	0.211	0.163	10	10.970	10.767 - 11.173	0.211	0.163
11	10.970	10.767 - 11.173	0.211	0.163	11	10.970	10.767 - 11.173	0.211	0.163
12	10.970	10.767 - 11.173	0.211	0.163	12	10.970	10.767 - 11.173	0.211	0.163
13	10.970	10.767 - 11.173	0.211	0.163	13	10.970	10.767 - 11.173	0.211	0.163
14	10.970	10.767 - 11.173	0.211	0.163	14	10.970	10.767 - 11.173	0.211	0.163
15	10.970	10.767 - 11.173	0.211	0.163	15	10.970	10.767 - 11.173	0.211	0.163
16	10.970	10.767 - 11.173	0.211	0.163	16	10.970	10.767 - 11.173	0.211	0.163
17	10.970	10.767 - 11.173	0.211	0.163	17	10.970	10.767 - 11.173	0.211	0.163
18	10.970	10.767 - 11.173	0.211	0.163	18	10.970	10.767 - 11.173	0.211	0.163
19	10.970	10.767 - 11.173	0.211	0.163	19	10.970	10.767 - 11.173	0.211	0.163
20	10.970	10.767 - 11.173	0.211	0.163	20	10.970	10.767 - 11.173	0.211	0.163
21	10.970	10.767 - 11.173	0.211	0.163	21	10.970	10.767 - 11.173	0.211	0.163
22	10.970	10.767 - 11.173	0.211	0.163	22	10.970	10.767 - 11.173	0.211	0.163
23	10.970	10.767 - 11.173	0.211	0.163	23	10.970	10.767 - 11.173	0.211	0.163
24	10.970	10.767 - 11.173	0.211	0.163	24	10.970	10.767 - 11.173	0.211	0.163
25	10.970	10.767 - 11.173	0.211	0.163	25	10.970	10.767 - 11.173	0.211	0.163
26	10.970	10.767 - 11.173	0.211	0.163	26	10.970	10.767 - 11.173	0.211	0.163
27	10.970	10.767 - 11.173	0.211	0.163	27	10.970	10.767 - 11.173	0.211	0.163
28	10.970	10.767 - 11.173	0.211	0.163	28	10.970	10.767 - 11.173	0.211	0.163
29	10.970	10.767 - 11.173	0.211	0.163	29	10.970	10.767 - 11.173	0.211	0.163
30	10.970	10.767 - 11.173	0.211	0.163	30	10.970	10.767 - 11.173	0.211	0.163

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
	Effective Aperture	40mm
Distance Accuracy	Digital Reading	D≤10m:10mm;D>10m:D*0.001
Distance Range	Digital Reading	110m
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	≥±15'
	Accuracy	0.20"/1'
	Observation accuracy	0.3mm
	Compensation accuracy	0.2"
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