

SPECIFICATIONS

NTS-342R6A

Distance Measurement		
Max. Range	Reflectorless	600m
	1 Prism	3.5km/ under good condition 4.0km
	3 Prism	5.0km
	Mini Prism	800m
	Sheet	1.0km
Accuracy ISO 17123-4	Reflectorless	$\pm(2+2\text{ppm} \times D)$ mm
	Reflector	$\pm(2+2\text{ppm} \times D)$ mm
Reading	Maximum: 99999999.999m; Minimum: 1mm	
Measuring Time	Fine Mode: <2s; Tracking Mode: <0.25s; Repeat: <0.35s	
Atmospheric Correction	Auto Correction	
Prism Constant	Auto Correction	
Angle Measurement		
Measurement Method	Absolute Encoding	
Diameter of the Absolute Encoding Disk (Horizontal/Vertical)	79mm	
Minimum Reading	0.1" / 1" Optional	
Accuracy ISO 17123-3	2"	
Detection Method	Horizontal: Dual	Vertical: Dual
Telescope		
Image	Erect	
Length	152mm	
Effective Aperture	45mm, (DTM: 47mm)	
Magnification	30 X	
Field of View	1° 30'	
Minimum Focus	3"	
Minimum Focussing Distance	1.3m	
Reticle Illumination	Adjustable	
Automatic Compensator		
System	Dual Axis Liquid-electric Sensor Compensation	
Working Range	±6'	
Accuracy	1"	
Sensitivity of Vial		
Plate Vial	30" / 2mm	
Circular Vial	8' / 2mm	
Optical Plummet		
Image	Erect	
Magnification	3 X	
Focusing Range	0.3m ~ ∞	
Field of View	5°	
Laser plummet (optional)	5 levels adjustable	
General		
Display	3.5 inches LCD, 320 × 240 dpi Touch Screen backlight, contrast adjustment	
Keyboard	Alphanumeric Keyboard/ 30 keys with backlight	
EDM Trigger Key	Quick Measure Key located on side cover	
Laser pointer	Easy to find target	
Guide light (optional)	Indicates correct position fast and easy	
Bluetooth	Easier way to transfer data and connect with controller	
Communication		
SD card	Supportable	
Serial I/F Port	USB flash disk/ RS-232C(6pin)/ USB Mini-B/ SD card/ BLUETOOTH	
On-board Battery		
Power Supply	Rechargeable Lithium Battery	
Voltage	7.4 VDC	
Operating Time	Operating Period with Single Angle and Measurement every 30 seconds 14 hours	
Physical		
Dimension	L216 × W200 × H350 mm	
Weight(without battery)	5.2Kg	
IP Standard	IP66	
Data Storage	Internal Memory	98M, ready for 833,000 data blocks
	External Memory	SD Card 4GB, ready for approx. 34,000,000 data blocks 8G USB Flash disk, ready for approx. 68,000,000 data blocks
Working Temperature	-20°C—50°C	

ACCESSORIES



Single Prism System



mini Prism System ADSmini112A



(Aluminum) - ATS-2(Wooden)



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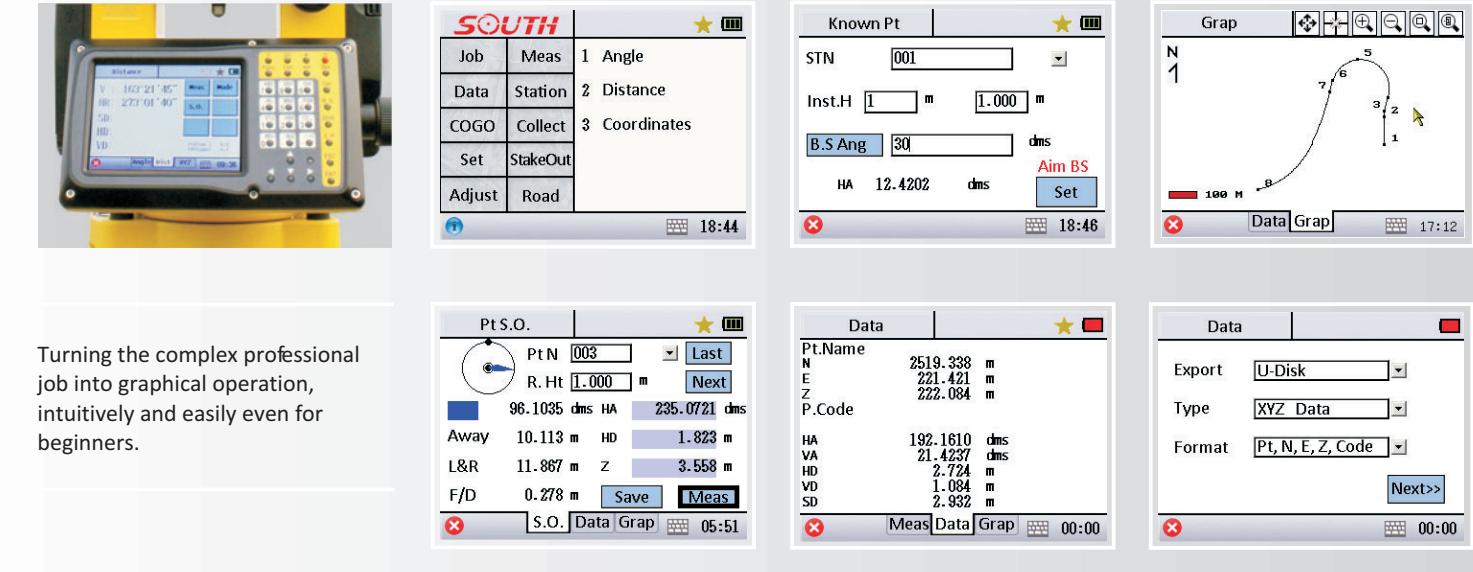
TOTAL STATION



KEY FEATURES



SOFTWARE INTERFACE



APPLICATIONS



PROGRAMS

