

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	± (2+2ppm×D) mm
	Reflector	± (2+2ppm×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 senconds 14 hours
Physical		
Dimension		L216×W200×H350 mm
Weight(without battery)		5.2Kg
IP Standard		IP65
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℃—50℃

ACCESSORIES



SOUTH
Target your success

NTS-342R6A
TOTAL STATION



SOUTH
Target your success

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KEY FEATURES



600m reflectorless measurement
Laser pointer, easy to find target



Data transfer and storage
Flash disk and SD card,
Mini USB.



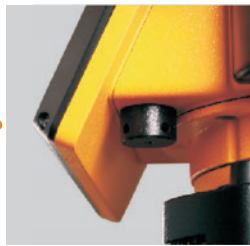
Bluetooth transportation
BT 4.0, easy connect to data
collector, gyroscope etc.



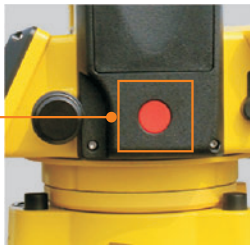
Concentrated ball bearing
Solve axis jam, more stable and
reliable.



T-P sensor, automatic correction



Totally new design for battery



EDM Trigger Key
Quick Measure Key locates at on
the side cover, which avoids any
possible torque during the angle
measurement. Especially ideal for
gloved hands.

Backlights touch point keypad
Fast reaction and precise,
combination with touch screen.
Convenience and quickly.

**Active screen back light
Technologic**
Double screen, operation on this
side, other side will close backlight
to save energy.

High resolution touch screen
3.5 inch touch screen, transluence
and semireflective design, 320*240,
easy to read under sun shine.



HD
Display



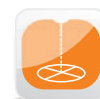
T/P
Sensor



4-probe
Encoding



Dual
Compensation



Laser
Plummet



Bluetooth



SD
Storage

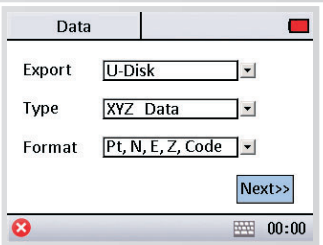
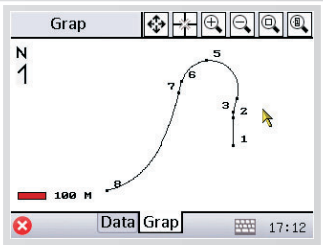
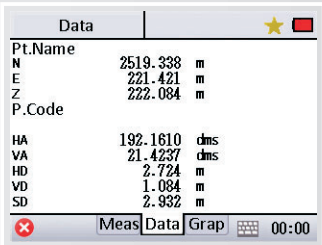
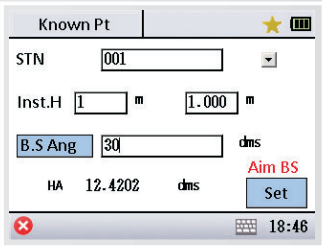
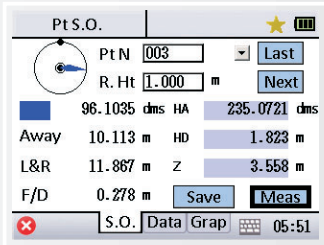
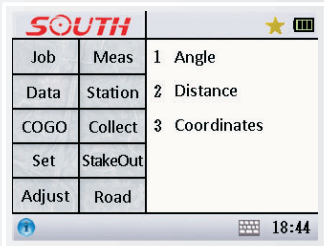


USB
Interface

SOFTWARE INTERFACE



Turning the complex professional
job into graphical operation,
intuitively and easily even for
beginners.



APPLICATIONS



Construction Measurement
Measure the corner and wall
surface by yourself without
setting the prism, the efficiency
is improved



Dam Measurement
For target within 600m, prisms
are not required. The surveying
work is easily finished

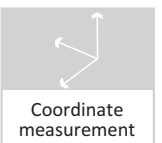


Shipbuilding Measurement
Large shipbuilding surveying and
positioning

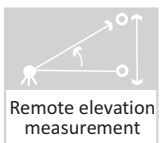


Tunnel Measurement
Be able to observe measuring
point without prisms. Point-
layout becomes easier

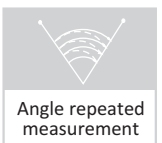
PROGRAMS



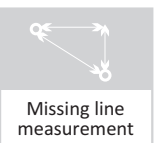
Coordinate
measurement



Remote elevation
measurement



Angle repeated
measurement



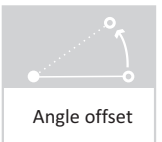
Missing line
measurement



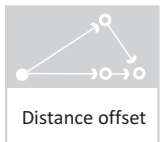
Resection



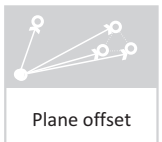
Road Design
Customization



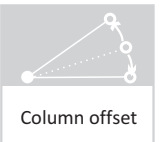
Angle offset



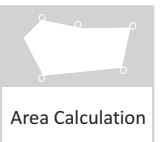
Distance offset



Plane offset



Column offset



Area Calculation

