

SPECIFICATIONS



		NTS-332R4	
Distance Measurement			
Max. Range	Reflectorless		400m (※)
	Single prism		5.0km
※ Object in shade, or sky overcast			
Accuracy	Reflectorless	Fine	3mm+2ppm
		Tracking	10mm+2ppm
	Reflector	Fine	2mm+2ppm
		Tracking	5mm+2ppm
		IR sheet	5mm+2ppm
Reading			
Measuring Time	Reflectorless	Fine mode: 0.35s ; Tracking mode: 0.25s	
	Reflector	Fine mode: 0.35s ; Tracking mode: 0.25s IR sheet mode: 0.35s	
Atmospheric Correction		Manual input, Auto correction	
Atmospheric Refraction And Earth Curvature Correction		Manual input, Auto correction	
Prism Constant		Manual input, Auto correction	
Dist. Unit		Meter/U.S. feet/International feet/Feet -inch selectable	
ANGLE MEASUREMENT			
Measuring Method		Absolute continuous	
Dia. of Encoder Disk		79mm	
Minimum Reading		1" / 5" (0.3/1.5 mgon)	
Accuracy		2"	
Detection Method		Horizontal: Dual, Vertical : Dual	
TELESCOPE			
Image		Erect	
Tube Length		154mm	
Effective Aperture		45mm, (EDM: 50mm)	
Magnification		30 ×	
Field of view		1° 30'	
Minimum Focus Distance		1m	
Resolving Power		3"	
AUTO COMPENSATOR			
System		Dual axis Liquid-electric	
Working Range		± 6'	
Accuracy		1"	
VIAL			
Plate Vial		30" / 2 mm	
Circular Vial		8' / 2 mm	
OPTICAL PLUMMET			
Image		Erect	
Magnification		3 ×	
Focusing Range		0.5m ~ ∞	
Field of View		5°	
ON-BOARD BATTERY			
Type		Rechargeable Li-on battery	
Voltage		DC 7.4V	
Continuous Operation Time		8 hrs	
OTHERS			
Display		LCD, 6 lines, digital	
Data Communication		RS-232C, USB, SD	
Temperature		- 20°C ~ + 50°C	
Dimension and Weight		160 × 150 × 330mm, 5.2kg	

ACCESSORIES



Mini pole: 4 x 30cm, Diameter: 10mm

TPSmini112B Mini prism
Dia: 25.4mm
Offset: 0/-30mm

Minin Prism System SET



Single-Prism SET



ATS-1 (Aluminum)

ATS-2 (Wooden)

Prism Pole & Prism System TPS107

NTS-332R4 Total Station



SOUTH SURVEYING & MAPPING INSTRUMENT CO., LTD.



SOUTH PRECISION INSTRUMENT PVT. LTD.

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CUSTOMER SERVICE SUPPORT:

AHMEDABAD

CHENNAI

HYDERABAD

INDORE

KOLKATA

MUMBAI

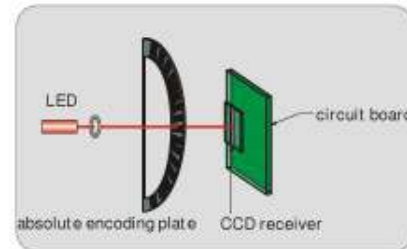


Excellent Functionality

SOUTH total station NTS-332R4 is embedded with various outstanding surveying programs, coupled with functions of data storing and parameter setting, which can be widely applied in various kinds of professional and construction survey.

Absolute Encoding Disk

With absolute encoding disk, you can start your work directly as the instrument is powered on. Azimuth angle will be saved even if the power is off incidentally in the job.

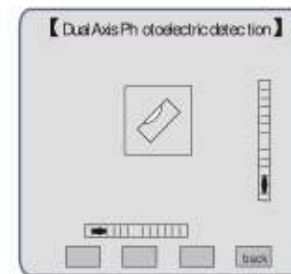
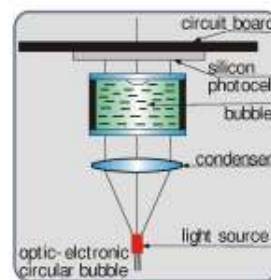


Six-line large LCD



Convenient Management on Internal Memory. Huge capacity of internal memory enables you to easily complement file system management, including adding, deleting, modifying and transferring data.

Dual Axis Compensation

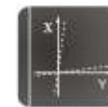
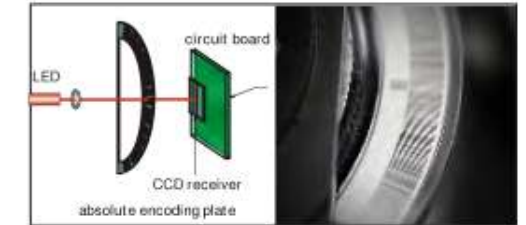


Technical Features



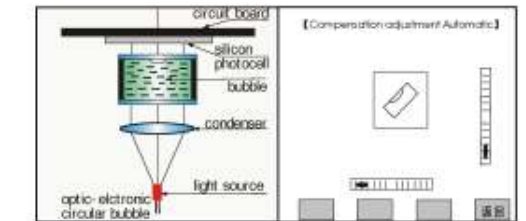
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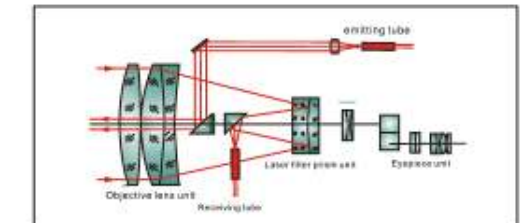
Dual Axis Compensation

South Total Station with the international advanced dual-axis compensation, the instrument can automatically eliminate errors and automatically compensate, greatly improving the accuracy of the instrument and automation level. Graphical electronic bubbles, X, Y, dual-axis compensation error display allows the operator to know the answer, at a glance!



Laser Path Diagram

South Total Station in distance point of adopting international advanced technology emission, laser ranging optical receiver side to improve the efficiency and accuracy. The most secure level laser, the effective measurement range of 350 meters, can not effectively solve the placement of the prism under test point measurement.



Pa Automatic correction of pressure sensor



SD Card



USB Device & Host



Under the laser points (optional)