

SPECIFICATIONS

		NTS-362R6	NTS-362R6L	NTS-365R6
Distance Measurement				
Max. Range	Reflectorless		600m	
	Single prism		5.0km	
	3 Prisms		8.0km	
※Object in shade, or sky overcast				
Accuracy	Reflectorless	Fine	± (5 + 2ppm × D) mm	
		Tracking	± (10 + 2ppm × D) mm	
	Reflector	Fine	± (2 + 2ppm × D) mm	
		Tracking	± (5 + 2ppm × D) mm	
	IR sheet	± (5 + 2ppm × D) mm		
Reading		Max: 99999999.9999 m Min: 0.1 mm		
Measuring Time	Reflectorless	Fine mode: <1.2s ; Tracking mode: <0.5s		
	Reflector	Fine mode: <1.2s ; Tracking mode: <0.5s IR sheet mode: <1.2s		
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"		5"
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"		
Reticle Illumination		Adjustable		
AUTO COMPENSATOR				
System		Dual axis Liquid-electric		
Working Range		± 3'		
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°		
* NOTE: NTS-362R6L has laser plummet				
ON-BOARD BATTERY				
Type		Rechargeable NI-MH battery		
Voltage		DC 6V		
Continuous Operation Time		8 hrs		
OTHERS				
IP Standard		IP65		
Keyboard		Alphanumeric 24keys		
Display		LCD, 6 lines, digital		
Data Communication		RS-232C, USB, SD		
Data Storage	Internal Memory	2M, ready for 17,000 datablocks		
	External Memory	SD card 2GB, ready for approx, 17,000,000 data blocks		
Temperature		-20°C ~ +50°C		
Dimension and Weight		160 × 150 × 330mm, 5.2kg		

STANDARD CONFIGURATION



- | | |
|----------------------------|----|
| 1. Mainbody | 1x |
| 2. Backup on-board Battery | 2x |
| 3. Charger | 1x |
| 4. Communication Cable | 1x |
| 5. Tools Kit | 1x |
| 6. Belt for Case | 2x |
| 7. Dryer | 1x |
| 8. Plummet | 1x |
| 9. Carrying Case | 1x |
| 10. Operation Manual | 1x |
| 11. Software CD | 1x |
| 12. TS QC PASS | 1x |
| 13. Warranty Card | 1x |
| 14. Rain Cover | 1x |

USB Communication Cable



CE-203U

Battery and Charger



NB-25 SC-20
EU/US/JP/UK/UL Type chargers available

OPTIONAL ACCESSORIES



Solar Filter
NF-20

Diagonal Eyepiece
NE-20

Compass
CP-20

ISO 9001:2000



SOUTH
Target your success

NTS-360R6 SERIES TOTAL STATION

LASER PLUMMET OPTIONAL



SOUTH
Target your success

SOUTH SURVEYING & MAPPING INSTRUMENT CO.,LTD.
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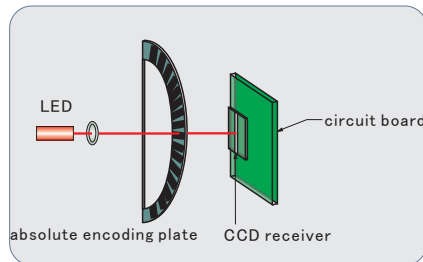
NTS-360R6 Series

Excellent Functionality

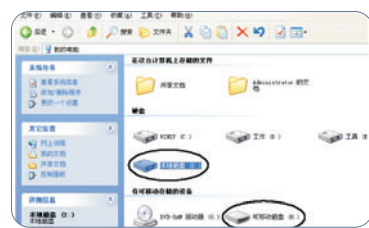
SOUTH total station NTS-360R6 is embedded with various outstanding surveying programs, coupled with functions of data storing and parameter setting, which can be widely applied in various kinds of professional and construction survey.

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.

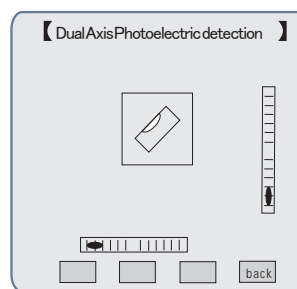
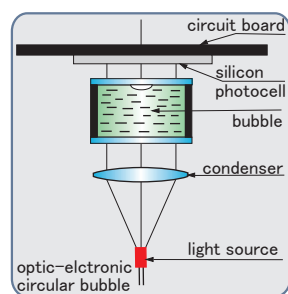


Six-line large LCD



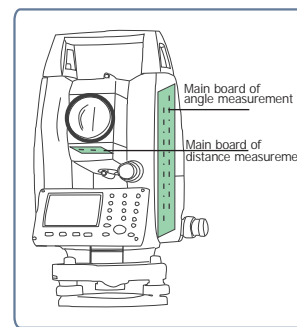
Convenient Management on Internal Memory. Huge capacity of internal memory enables you to easily complement file system management, including adding, deleting, modifying and transferring data.

Dual Axis Compensation



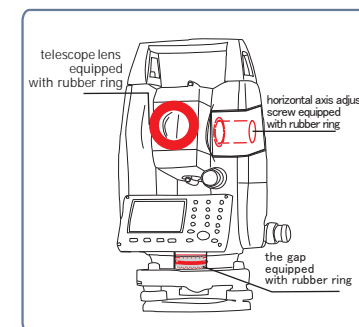
SD card Function and USB interface

SD card provides huge memory, fast speed of data transferring, incredibly flexibility and reliable safety. Saving various data of job into the SD card, you can easily read it just by inserting it into the SD port of your laptop. USB interface is the international mainstream for PC communication, with it your job must be much easier.

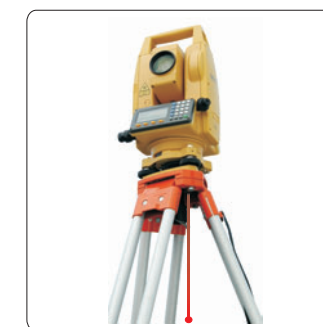


Different Main Board

Using different main board for angle measurement and distance measurement, more simple and reasonable structure, easy maintaining.



Water and Dust Proof: IP65

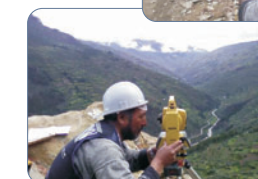


Laser Plummet (optional)

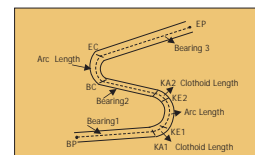
Reflectorless Distance Measurement



Total station NTS-360R6 series is functioned by reflectorless distance measurement, range up to **600m** which is applicable for long distance measurement with high accuracy on various kinds of materials or colors such as wall, wire pole, wire, cliff, hill, earth, timber pile, etc. For those targets which are not easy or even impossible to reach, reflectorless distance measurement can complete the measurement task easily.



Various Surveying Programs



The Road Design Measurement

Besides of ordinary surveying programs, such series of total station also has special surveying programs, such as remote height measurement, offset measurement, remote distance measurement, stake out, resection, area calculation, road design and stake-out, etc., which are sufficient to meet the needs of professional measurement and surveying measurement.



LANDING

