

# NTS-382R10

## Total Station

### Features

- Reflectorless range up to 1000m
- Ultra fast measurement near 0.1s
- Various data transfer methods. Mini USB, RS232, SD card
- Bluetooth optional.
- Lithium Battery



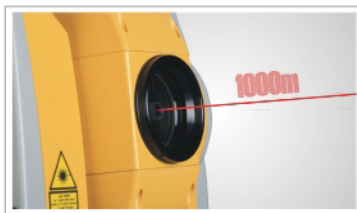
UE (User experience) improvement



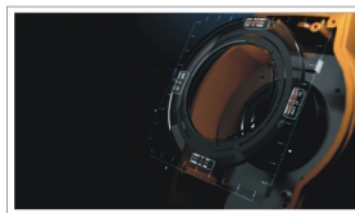
Data port



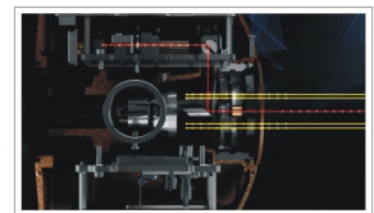
Lithium battery



1000m range reflectorless



Absolute encoding



New optical path

### Specifications



Sharp Screen



Smart T-P Sensor



Ultrafast Measurement



4-probe Encoding



Storage Options



Dual-axis Compensation



Laser Plummet

NTS-382R10				NTS-382R10			
<b>Distance Measurement</b>				<b>Telescope</b>			
Max. Range	Single prism	5.0km		Image	Erect		
	Reflectorless	1000m		Tube Length	154mm		
	Sheet	1.0km		Effective Aperture	48mm, (EDM:50mm)		
※Object in shade, or sky overcast							
Accuracy	Reflectorless Reflector	Fine	$\pm(3+2\text{ppm}\times D)$ mm		Magnification	30x	
		Fine	$\pm(2+2\text{ppm}\times D)$ mm		Field of View	1° 30'	
		IR sheet	$\pm(2+2\text{ppm}\times D)$ mm		Minimum Focus Distance	1.2m	
Reading	Max: 99999999.9999m Min: 0.1mm				Resolving Power	3"	
Measuring Time	Reflectorless	Fine Mode: <0.3s; Tracking Mode: <0.1s				<b>Auto Compensator</b>	
Atmospheric Correction	Manual Input, Auto Correction					System	Dual Axis Liquid-electric
Prism Constant	Manual Input, Auto Correction					Working Range	$\pm 3'$
Temperature Sensor	Freecale Sensor					Accuracy	1"
<b>Angle Measurement</b>				<b>Vial</b>			
Measuring Method	Absolute Continuous					Plate Vial	30" / 2mm
Dia. of Encoder Disk	79mm					Circular Vial	8' / 2mm
Minimum Reading	0.1"					<b>On-Board Battery</b>	
Accuracy	2"					Type	Rechargeable Lithium Battery
Detection Method	Horizontal: Dual, Vertical: Dual					Voltage	DC 7.2V
<b>Optical Plummet</b>						Continuous Operation Time	8 hrs.
Image	Erect					<b>Others</b>	
Magnification	3x					Working Temperature	-20°C ~ +50°C
Focusing Range	0.5m - ∞					Dimension and Weight	165x150x335mm, 5.2kg
Field of View	5°					Plummet	Optical or Laser Plummet Optional