

SPECIFICATIONS

NTS-382R10			
Distance Measurement			
Max.Range	Single prism		5.0km
	Reflectorless		1000m
	Reflector		1.0km
※Object in shade, or sky overcast			
Accuracy	Reflectorless	Fine	$\pm(3+2\text{ppm}\times D)$ mm
		IR sheet	$\pm(2+2\text{ppm}\times D)$ mm
	Reflector	Fine	$\pm(2+2\text{ppm}\times D)$ mm
Reading			Max:99999999.9999m Min:0.1mm
Measuring Time	Reflectorless		Fine Mode:<0.3s;Tracking Mode:<0.1s
Atmospheric Correction			Manual Input, Auto Correction
Prism Constant			Manual Input, Auto Correction
Temperature Sensor			Freecale Sensor
Angle Measurement			
Measuring Method			Absolute Continuous
Dia. of Encoder Disk			79mm
Minimum Reading			0.1"
Accuracy			2"
Detection Method			Horizontal: Dual, Vertical: Dual
Telescope			
Image			Erect
Tube Length			154mm
Effective Aperture			48mm,(EDM:50mm)
Magnification			30x
Field of View			1° 30'
Minimum Focus Distance			1.2m
Resolving Power			3"
Auto Compensator			
System			Dual Axis Liquid-electric
Working Range			$\pm 3'$
Accuracy			1"
Vial			
Plate Vial			30"/ 2mm
Circular Vial			8/ 2mm
Optical Plummet			
Image			Erect
Magnification			3x
Focusing Range			0.5m - ∞
Field of View			5°
On-Board Battery			
Type			Rechargeable Lithium Battery
Voltage			DC 7.4V
Continuous Operation Time			8 hrs
Others			
Temperature			-20 ~ +50C
Dimension and Weight			200x180x350mm, 6.0kg
Plummet			Optical or Laser Plummet Optional

ACCESSORIES



TK21T

TK25T

Single Prism System



Dia.: 25.4mm
Offset: -17.5/-7.5mm

Mini Pole: 30cm×4, φ10mm

Mini Prism System ADSmini112A



ATS-1(Aluminum) ATS-2(Wooden)

Prism Pole & Prism System ADS107

dealer info

SOUTH
Target your success

NTS-382R10 TOTAL STATION



SOUTH
Target your success

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ATTRACTIONS



Sharp Screen

3.5" true color highlighted screen, 240x320 dot matrix, transfective and designed for clear reading in strong sunlight condition.



Dual-axis Compensation

International standard dual-axis compensator configured for auto error elimination and auto accuracy compensation, with vivid graphic electronic bubble display.



Laser Pointing

Equipped with laser pointing function, easier to target at the objects, or even served as a laser pointer for orientation.



Smart T-P Sensor

Facilitated with a Temperature-Pressure Sensor, manual parameter input shall be replaced by automatic correction.



Ultrafast Measurement

Fine mode 0.3 " , track mode 0.2 " .



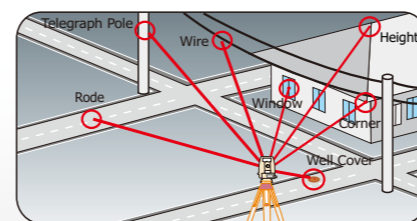
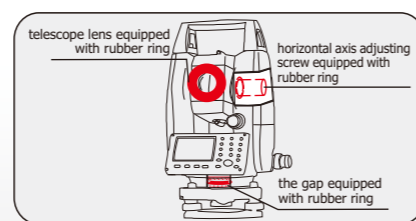
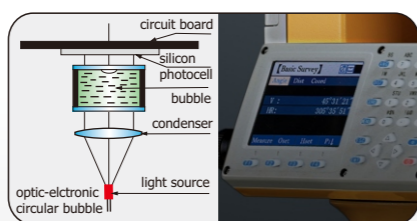
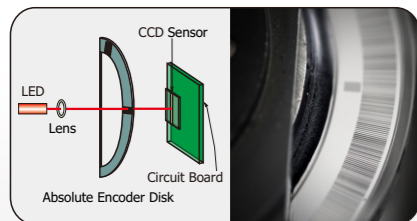
Laser Plummet

Direct laser plumbing on the benchmark helps with an easier setup of station point.

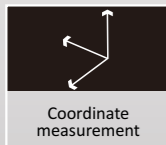


Storage Options

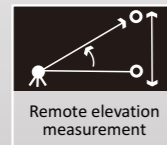
A variety of data transfer options for diverse needs, eg. SD card, USB pen drive, mini-B interface.



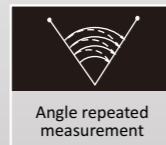
PROGRAMS



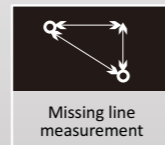
Coordinate measurement



Remote elevation measurement



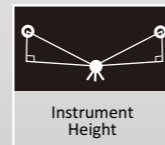
Angle repeated measurement



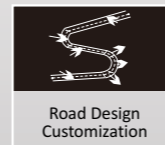
Missing line measurement



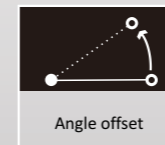
Resection



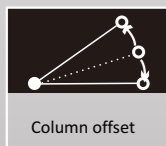
Instrument Height



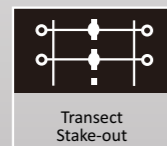
Road Design Customization



Angle offset



Column offset



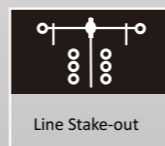
Transect Stake-out



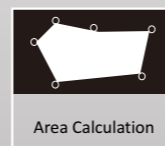
Point Stake-out



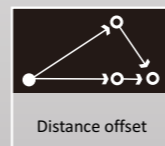
Strand Stake-out



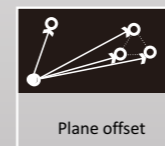
Line Stake-out



Area Calculation



Distance offset



Plane offset

