

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
	Reflector	Fine	$\pm(2+2\text{ppm}\times D)$ mm
		IR sheet	
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, φ 10mm

Mini Prism System ADSmini112A



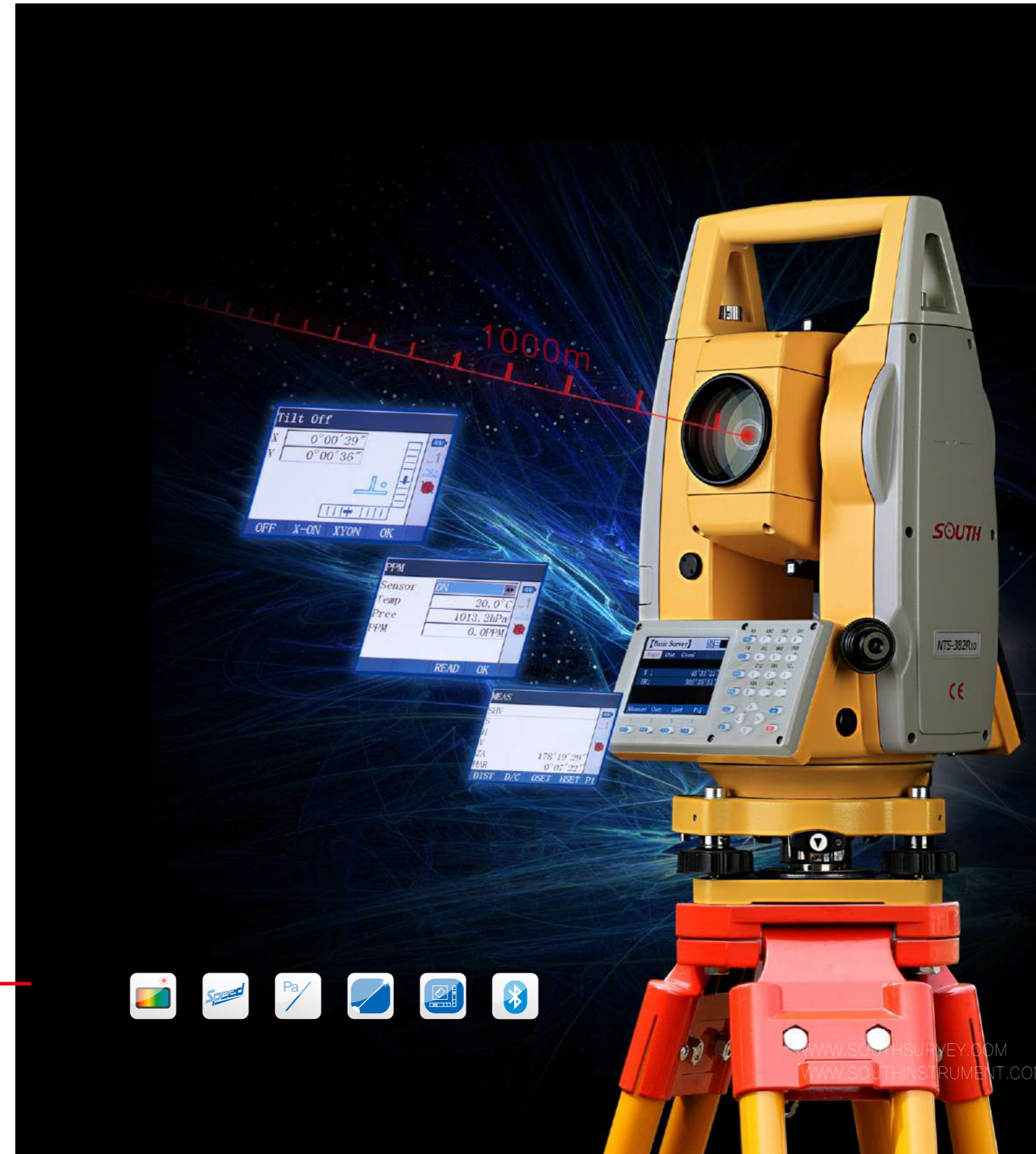
ATS-1(Aluminum) ATS-2(Wooden)

Prism Pole & Prism System ADS107

dealer info

SOUTH
Target your success

NTS-382R10 TOTAL STATION



SOUTH
Target your success

SOUTH SURVEYING & MAPPING INSTRUMENT CO.,LTD.

E-mail: mail@southsurvey.com export@southsurvey.com imexp@southsurvey.com euoffice@southsurvey.com
http://www.southsurvey.com http://www.southinstrument.com



WWW.SOUTHSURVEY.COM
WWW.SOUTHINSTRUMENT.COM

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 " .



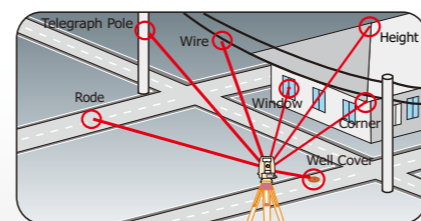
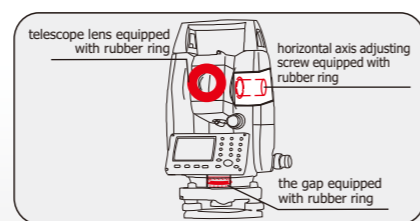
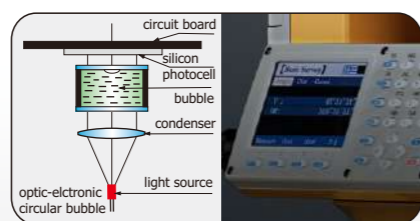
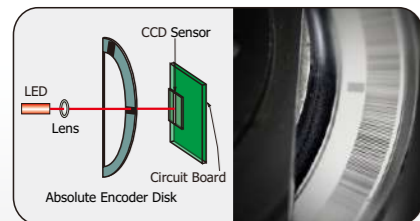
Laser Plummet

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

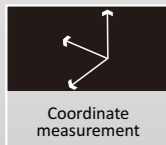


Storage Options

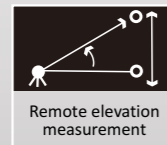
A variety of data transfer options for diverse needs, eg. SD card, USB pen drive, mini-B interface.



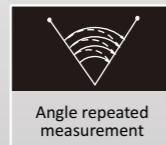
PROGRAMS



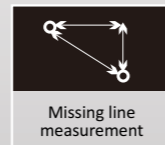
Coordinate measurement



Remote elevation measurement



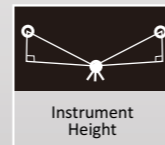
Angle repeated measurement



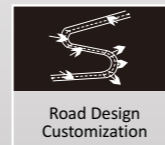
Missing line measurement



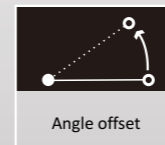
Resection



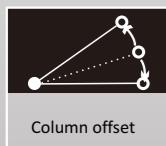
Instrument Height



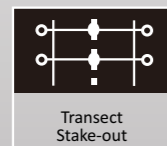
Road Design Customization



Angle offset



Column offset



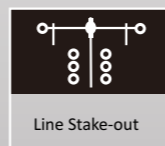
Transect Stake-out



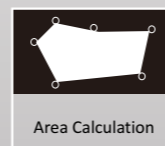
Point Stake-out



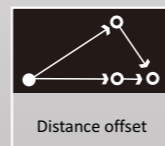
Strand Stake-out



Line Stake-out



Area Calculation



Distance offset



Plane offset

