

## SPECIFICATIONS

		N8	N80
<b>Distance Measurement</b>			
Max.Range	Single prism	5.0km	
	Reflectorless	600m	1000m
※Object in shade, or sky overcast			
Accuracy	Reflectorless	$\pm(3+2\text{ppm}\times D)$ mm	
	Reflector	$\pm(2+2\text{ppm}\times D)$ mm	
Reading	Reflectorless	Max:99999999.9999m Min:0.1mm	
Measuring Time		Fine Mode: <0.3s; Tracking Mode: <0.1s	
Atmospheric Correction		Manual Input, Auto Correction	
Prism Constant		Manual Input, Auto Correction	
Temperature Sensor		Freecale Sensor	
<b>Angle Measurement</b>			
Measuring Method		Absolute Continuous	
Dia. of Encoder Disk		79mm	
Minimum Reading		0.1" /1" optional	
Accuracy		2"	
Detection Method		Horizontal: Dual, Vertical: Dual	
<b>Telescope</b>			
Image		Erect	
Tube Length		154mm	
Effective Aperture		48mm	
Magnification		30x	
Field of View		1° 30'	
Minimum Focus Distance		1.2m	
Resolving Power		3"	
<b>Auto Compensator</b>			
System		Dual Axis Liquid-electric	
Working Range		$\pm 4'$	
Accuracy		1"	
<b>Vial</b>			
Plate Vial		30"/ 2mm	
Circular Vial		8/ 2mm	
<b>Optical Plummet</b>			
Image		Erect	
Magnification		3x	
Focusing Range		0.5m - $\infty$	
Field of View		5°	
<b>On-Board Battery</b>			
Type		Rechargeable Lithium Battery	
Voltage		DC 7.2V	
Continuous Operation Time		8 hrs	
<b>Others</b>			
Display		320x240 dot matrix true-color screen	
Temperature		-20 ~ +50C	
Dimension and Weight		165x150x335mm, 5.2kg	
Plummet		Laser Plummet in Default	

## ACCESSORIES



dealer info

**SOUTH**  
Target your success

**N8/N80**  
**TOTAL STATION**



**SOUTH**  
Target your success

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# ATTRactions



**Sharp Screen**  
3.5 inch 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.



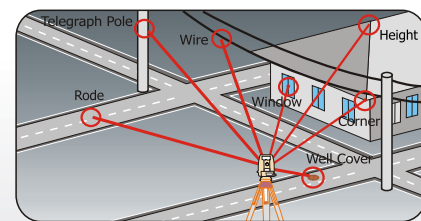
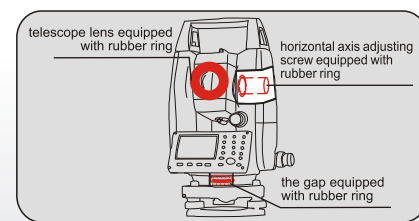
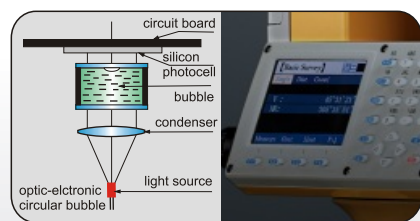
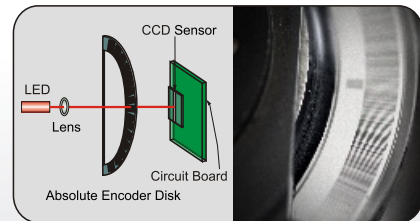
**Ultrafast Measurement**  
Fine mode 0.3 " , track mode 0.1 " .



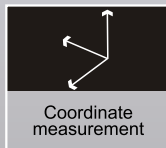
**Laser Plummet**  
Direct laser plumbing on the benchmark helps with an easier setup of station point.



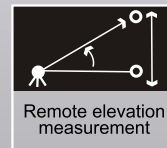
**Storage Options**  
A variety of data transfer options for diverse needs, eg. SD card, USB pen drive, mini-B interface.



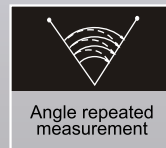
# PROGRAMS



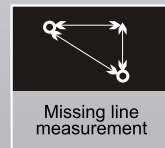
Coordinate measurement



Remote elevation measurement



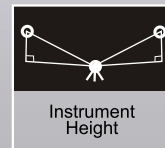
Angle repeated measurement



Missing line measurement



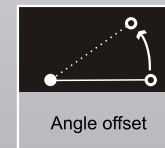
Resection



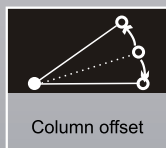
Instrument Height



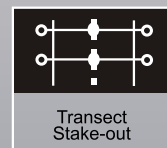
Road Design Customization



Angle offset



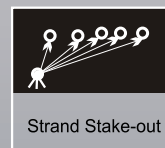
Column offset



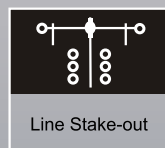
Transect Stake-out



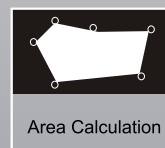
Point Stake-out



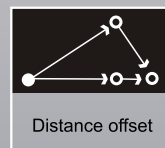
Strand Stake-out



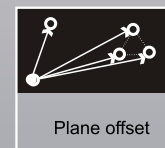
Line Stake-out



Area Calculation



Distance offset



Plane offset

