

## SPECIFICATIONS

		N41	N40	N4
<b>Distance Measurement</b>				
Max. Range	Reflectorless	1000m	1000m	600m
	1 Prism	3.5km/ under good condition 4.0km		
	3 Prism	5.0km		
	Mini Prism	800m		
	Sheet	1.2km		
Accuracy	Reflectorless	$\pm(3+2\text{ppm} \times D)$ mm		
	Reflector	$\pm(1+1\text{ppm} \times D)$ mm	$\pm(2+2\text{ppm} \times D)$ mm	
Reading	Maximum: 99999999.999m; Minimum: 1mm			
Measuring Time	Fine Mode: <1.2s; Tracking Mode: <0.3s; Repeat: <0.7s			
Atmospheric Correction	Auto Correction			
Prism Constant	Auto Correction			
<b>Angle Measurement</b>				
Measurement Method	Absolute Encoding			
Diameter of the Absolute Encoding Disk (Horizontal/Vertical)	79mm			
Minimum Reading	0.1" / 1" Optional			
Accuracy ISO 17123-3	1"	1"		2"
Detection Method	Horizontal: Dual		Vertical: Dual	
<b>Telescope</b>				
Image	Erect			
Length	152mm			
Effective Aperture	45mm, (DTM: 47mm)			
Magnification	30 X			
Field of View	1° 30'			
Minimum Focus	3"			
Minimum Focussing Distance	1.3m			
Reticle Illumination	Adjustable			
<b>Automatic Compensator</b>				
System	Dual Axis Liquid-electric Sensor Compensation			
Working Range	$\pm 6'$			
Accuracy	1"			
<b>Sensitivity of Vial</b>				
Plate Vial	30" / 2mm			
Circular Vial	8' / 2mm			
<b>Optical Plummet</b>				
Image	Erect			
Magnification	3 X			
Focusing Range	0.3m—∞			
Field of View	5°			
Laser plummet (optional)	5 levels adjustable			
<b>Camera (Optional)</b>				
Pixel	780000			
Focal length	16mm			
Field of view	12.5 × 11.7 degree			
Refresh rate	11 frames/s			
Deep of field	2m - ∞			
Digital zoom	1 X, 2 X, 3 X			
White balance	Automatic			
<b>General</b>				
Display	3.5 inches LCD, 320 × 240 dpi Touch Screen backlight, contrast adjustment			
Keyboard	Alphanumeric Keyboard/ 30 keys with backlight			
EDM Trigger Key	Quick Measure Key located on side cover			
Laser pointer	Easy to find target			
Guide light (optional)	Indicates correct position fast and easy			
Bluetooth	Easier way to transfer data and connect with controller			
<b>Communication</b>				
SD card	Supportable			
Serial I/F Port	USB flash disk/ RS-232C/ USB Mini-B/ SD card/ BLUETOOTH			
<b>On-board Battery</b>				
Power Supply	Rechargeable Lithium Battery			
Voltage	7.4 V dc			
Operating Time	Operating Period with Single Angle and Measurement every 30 seconds 8 hours			
<b>Physical</b>				
Dimension	L206 × W200 × H353 mm			
Weight( without battery)	6Kg			
IP Standard	IP54			
Data Storage	Internal Memory	98M, ready for 833,000 data blocks		
	External Memory	SD Card 8GB, ready for approx. 34,000,000 data blocks 8G USB Flash disk, ready for approx. 68,000,000 data blocks		
Working Temperature	-20°C—50°C			

## ACCESSORIES



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# N4 Series TOTAL STATION



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