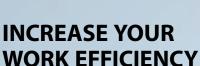


Total Surveying Solution

- Long EDM range measuring distance in reflectorless up to 500m and in prism mode up to 4,000 m
- Large internal memory: 60000 points.
- Dual display as a standard equipment
- Easy transfer to a PC via SD card, USB mini and RS-232C data port
- Pre-loaded versatile software functions
- Dual battery system for long time use



FASTER TURNAROUND





Technical Specifications R-1500N Series Total Station

Model			R-1501N	R-1502N	R-1503N	R-1505N
elescope	Image			Er	ect	
	Magnification			30) x	
	Effective Aperture			45	mm	
	Resolving Power			3	0"	
	Field of View			1°25′		
	Minimum Focus			1.0m		
	Focus			Manual		
	Laser Class			Visible Laser: Class IIIa (Reflectorless, sheet) / Class I (Prism)		
Neasurement Range (Go	od condition) *3					
Reflectorless *1			1.5m ~ 500m			
	Reflector Sheet *2		1.5m ~ 800m			
	Mini Prism			1.5m ~ 800m		
	1P			1.5m ~ 4000m		
	3P			1.5m ~ 5000m		
ccuracy	Prism				m x D)mm	
Accuracy	Reflector Sheet		±(3+2ppm x D)mm			
	Reflectorless				3+2ppm x D)mm	
	nenectoriess				5+2ppm x D)mm	
	Minimum Count				10+2ppm x D)mm	
M			0.1 mm (Fine mode), 1 mm (Normal mode), 10 mm (Track mode) Prism / Ref.sheet 3.0 sec., Ref.less 3.0 sec. (over 300 m 5.0 sec.)			
Measurement Time *4	Repeat Meas. Fine (0.1mm)					
		Normal (1mm)			ess 2.0sec. (over 300m 4.0sec.)	
	Track (10mm)				ess 0.4sec. (over 300m 0.4sec.)	
	Initial Meas.	Fine (0.1mm)			over 300m ~ 13sec.	
		Normal (1mm)			over 300m ~ 12sec.	
	Track (10mm)				over 300m ~ 12sec.	
Angle Measurement	Measuring Method				tary encoder	
	Detection Method			Vertical / Ho	rizontal angle	
					ides	
	Minimum Count				/ 5"	
Accuracy (ISO1712		23-3)	1"	2"	3"	5"
ompensator				2 8	axis	
Compensator range					30"	
angent Screw				1 Speed/Cla	mping (<30")	
ensitivity of Vials	Plate Level			30"/1div.	(electrical)	
	Circular Level			8'/2	mm	
Plummet				Visible Laser, ±0.5mm (i	nstrument height 1.5m)	
Base				Detac	hable	
Dust and Water Protection				IP55 (instru	iment only)	
Ambient Temperature				-20°C ~ 50°C / -4°F ~	122°F (Working range)	
Tripod Thread				5/8'	'x 11	
Dimensions/Weight	Dimensions				(H) x 167(L)mm	
-	Weight (incl. Battery)				kg	
arrying Case	-		440(W) x 370 (H) x 275 (L)mm /3.9 kg			
attery Pack	Power Source		Li-ion 3,350mAh X 2 = 6,700mAh (hotswap)			
•	Operation Time		Continuous approx. 10.0hrs (ETH+EDM) with approx. 2.5hrs. of charging time			
	Weight		5400g			
Battery Charger and AC Adapter					3	
, .	Input Voltage (AC05)			AC 100	~ 240V	
	Output Voltage (BC05)				8.4V	
Data Process	Data Recording Method				Memory	
	Capacity / Coordinates Data				B / 60000	
	Special Function				oExpress 2	
	I/F				mini, Bluetooth (class2)	
Display / Keyboard					rs x 8 lines / 240 x 96 pixels	
	Display Type Ouantity				2 240 x 96 pixeis	
	Quantity					
Nicolary Davids Limbs	Keys				5 function / 5 special)	
Display Back Light					rings: 10 steps es	
aser Pointer						

* Specifications are subject to change without notice

- *1 The measurement range and accuracy of reflectorless, and time required to measure may vary by the shape, size of surface area and reflection rate of the target and its environment.

 The measurement range of reflectorless is determined by the white side of the Kodak Gray Card.
- *2 Reflector sheet: Genuine Reflector sheet *3 The measurement range may vary by conditions of the environment. Normal conditions: 20km visibility with slight shimmer Good conditions: 40km visibility with overcast, no heat, no shimmer and moderate wind.
- *4 EDM measuring time is determined in good conditions. It may takes longer than usual to measure the distance exceeding 4000m in prism mode and 300m in reflectorless mode.

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