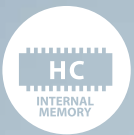


**PENTAX** | W-1500N Series

**A Truly Integrated System**



**500M**



Model		W-1501N	W-1502N	W-1503N	W-1505N
Telescope	Image			Erect	
	Magnification			30x	
	Effective aperture			45mm	
	Resolving power			3.0"	
	Field of view			1°20'	
	Minimum focus distance			1.0m	
	Focus			Manual	
Distance measurement	Laser class		Visible Laser: Class IIIa ( Reflectorless, sheet ) / Class I ( Prism)		
Measurement range (Good condition) (*3)	Reflectorless (*1)			500m	
	Reflector sheet (*2)			800m	
	Mini Prism			1200m	
	Prism 1P			3000m	
	Prism 3			5000m	
	Accuracy (*4)	Prism			±(2+2ppm x D)mm
Reflector Sheet				±(3+2ppm x D)mm	
Reflectorless				2~200m: ±(3+2ppm x D)mm 200~300m: ±(5+2ppm x D)mm 300~500m: ±(10+2ppm x D)mm	
Angle measurement	Measuring method			Absolute rotary encoder	
	Detection method			Vertical / Horizontal angle 2 sides	
	Minimum count	0.5" / 1" / 5"		1" / 5"	
Compensator	Axis	1"	2"	3"	5"
	Range			±3'	
Tangent screw			1 Seed/Clamping (<30")		
Sensitivity of vials	Plate level			30"/div. (electrical)	
	Circular level			8/2mm	
Plummet			Visible Laser, ±0.5mm (instrument height 1.5m)		
Base			Detachable		
Dust and Water Protection			IP55 (instrument only)		
Ambient temperature			-20°C ~ 50°C / -4°F ~ 122°F (Working range)		
Tripod thread			5/8"x 11		
Dimensions / Weight	Dimensions		183 (W) x 342(H) x 167(L)mm		
	Weight (battery not incl.)		5.4kg		
Carrying case	Dimensions / weight		440(W) x 370 (H) x 275 (L)mm / 3.9 kgs.		
Battery pack	Power source		Li-ion 4400mAh		
	Operation time		Continuous approx. 8.0hrs (ETH+EDM) with approx. 2.5hrs. of charging time		
Battery charger and AC Adapter	Weight		5.4kg		
	Input voltage		AC 100 ~ 240V		
Data Process	Output voltage		DC7.4V		
	CPU Memory/Clock frequency		4GB/528MHZ		
	OS		Microsoft Window CE 5.0		
Display / Keyboard	Application software		Selectable		
	I/F		RS232C, USB mini, Bluetooth(Class 2), USB Flash Drive		
	Display type		3.5" colour TFT LCD (320 x 240 dots) touch screen		
Display back light	Quantity		2		
	Keys		26 each		
Laser Pointer			Yes		
Date clock			Yes		

\* Specifications are subject to change without any 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 take longer than usual to measure the distance exceeding 2000m in prism mode and 300m in reflectorless mode.

**TI Asahi Co., Ltd.**  
**International Sales Department**  
 4-3-4 Ueno Iwatsuki-Ku, Saitama-Shi  
 Saitama, 339-0073 Japan  
 Tel.: +81-48-793-0118  
 Fax: +81-48-793-0128  
 E-mail: International@tiasahi.com



[www.pentaxsurveying.com/en/](http://www.pentaxsurveying.com/en/)

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The CE marking assures that this product complies with the requirements of the EC directive for safety.



### DANGER

LASER RADIATION - DO NOT STARE INTO BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENT INTO SUNLIGHT  
 620-690 nm/4.75mW max.  
 CLASS IIIa LASER PRODUCT  
 Laserclass IIIa, conform FDA 21 CFR Ch. 1 § 1040



### CAUTION

LASER RADIATION - DO NOT STARE INTO BEAM  
 620-690 nm/0.95mW max.  
 CLASS II LASER PRODUCT  
 Laserclass II, conform FDA 21 CFR Ch. 1 § 1040



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