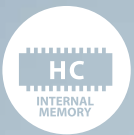


**PENTAX** | W-1500N Series

**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			2~150m: ±(3+2ppm x D)mm 150~300m: ±(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"	
	Accuracy (ISO 17123-3)	1"	2"	3"	5"
Compensator	Axis			2 axis	
	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			
	Weight	5.4kg			
Battery charger and AC Adapter	Input voltage	AC 100 ~ 240V			
	Output voltage	DC7.4V			
	CPU Memory/Clock frequency	4GB/528MHZ			
Data Process	OS	Microsoft Window CE 5.0			
	Application software	Selectable			
	I/F	RS232C, USB mini, Bluetooth(Class 2), USB Flash Drive			
Display / Keyboard	Display type	3.5" colour TFT LCD (320 x 240 dots) touch screen			
	Quantity	2			
	Keys	26 each			
<b>Display back light</b>				Yes	
<b>Laser Pointer</b>				Yes	
<b>Date clock</b>				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.

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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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