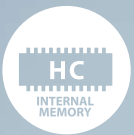


PENTAX | W-1500N Series

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°25'	
	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)			1.5m ~ 500m	
	Reflector sheet (*2)			1.5m ~ 800m	
	Mini Prism			1.5m ~ 1200m	
	Prism 1P			1.5m ~ 4000m	
	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	0.1" / 0.5" / 1" / 5"		1" / 5"	
Compensator	Axis	1"	2"	3"	5"
	Range			2 axis ±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 3,350mAh X 2 = 6,700mAh (hotswap)		
	Operation time		Continuous approx. 10.0hrs (ETH+EDM) with approx. 2.5hrs. of charging time		
Battery charger and AC Adapter	Weight		5.4kg		
	Input voltage		AC 100 ~ 240V		
	Output voltage		DC7.4V		
Data Process	CPU Memory/Clock frequency		4GB/528MHZ		
	OS		Microsoft Window CE 7.0		
	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		
Display back light			Yes		
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.

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



DANGER
 LASERRADIATION-DONOTSTAREINTO
 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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