



W-800

Graphical assistance during stake-out

Stake points	Instr.	ABC	Close		
Stat.: 51 I.H.: 1.7	B5.: B51 Az.: 40.6750 c				
	Û,	Point: 2	P.I	1.600	
	Go Down 0.002 -0.03 Go LEFT H.Ang.Req. 0.028 371.0670				
	₹.		1	Measure	
Fast EDM		Options.		Мар	
	< Back	Next		Accept	





Open Platform: allows you to run major software such as Sierra PowerTopoCE and Carlson SurvCE 2.0

Intelligent Cursor

Display results in real time with colour maps as you measure





Pentax W-800 Series Specifications

Model			W-822NX	W-823NX	W-825NX	W-835NX	W-822EX	W-823EX	W-825EX	W-835EX
Telescope	Magnification					3	0x			
	Optical aperture	3				45mm (EDM45mm)				
	Resolving power					3"				
	Field of view					1°30'(2.6%)				
	Minimum focus					1.0m				
Focus					Au	ito-focus + Pow		nual		
						lifferential				
Data Processor	CPU, Clock frequen	CV				Intel Xsca	le,400MHz			
	OS				N	Microsoft® Windows® CE .NET		4.2		
	Internal memory					SDRAM = 64MB				
							8MB (built-in)			
	Interface	Interface					232C			
	Interface						ni-B Connector))		
							pell Slot	,		
							Slot			
	Display	Display		3.7 inch, Co	olor LCD, 640x4	480 pixels *(5),		t and touch pa	nel function	
		Quantity	2		1	1 2 2 (27)	2		1	
	Key board	<u></u>				33	keys			
EDM	Laser class	•		Class (IIIa)3R / Class(II) 2 (Select				Class	(II) 2	
	Distance			1.5~2		,		N/A		
	Measurement	Mini Prism		1.5 2	., 0	1.5m~1100	m (1600m) *(1			
	Range	1P		1.5m~3400m	(4500m) *(2)			1.5m~3000m (4000m) *(2)		
	Marige	3P		1.5m~3400m (4500m) *(2) 200m~4500m (5600m) *(2)			200m~4000m(5000m) *(2)			
		Reflective sheet		200111-430011	1 (3000111) (2)					
	Vecnisació	Prism, Reflector sheet	1.5m~600m (800m) *(3) ± (2+2ppmxD) mm							
	Accuracy	Reflectorless	1/5 20000	(D) mm *(4)	+ /F + 2nnm	± (2+2μ xD) mm *(4)	mini (Uxid)	N/	/A	
	Measuring time	Repeat meas		nal :Prism, Ref.s	, , ,	, , ,	Norm	nal :Prism, Ref.sl		mm)
	weasuring time	Repeat meas					NOTT	iai :Piisiii, Rei.si		
		Initial meas	Track :Prism, Ref.sheet 0.4 sec. (1 o					*Quick mode Il :Prism, Ref.sheet 2.5sec. (1mm)		
	Initial frieds		Normal :Reflectorless 2.3sec. (1mm)		1)	Norma		*Quick mode		
A I' 4' 6-						C.1.			"Quick	mode
Application soft							ective 8MB			
Memory		Internal memory								
	Memory Card				2GB (Max) *(6) Absolute Rotary Encode					
Angle measurement	Method		2//(0.6)	2"				2//		"
	Accuracy (ISO 1712	(3-3)	2"(0.6 mgon)	3"		5"	2"(1.0 mgon)	3"	5	
	Compensator		Triple		Dual Axis		Triple Axis		Dual Axis	
Tangent screw	3		2 sp	2 speed 1 spe			2 speed		1 speed	
	lendar clock				Available					
Plummet				Visible Laser, ±0.8 mm (instrument height 1.5m)						
Plate level (electro			Plate level (electronic) 30"/1div.							
Circular level				8'/2mm						
Water resistant						IP54				
	nbient temperature				-20°C ~ +50°C / -4°F ~122°F (Working range)					
Battery pack BP0				Ni-MH (Rechargeable)(4300mAh) , DC6V						
	Operation time			Continuous Approx. 3 hrs (ETH+EDM), 8hrs (ETH) with Approx. 2.2 hrs of charging time						
Weight		Approx. 380g								
	ger BC03 and AC Adapter AC01		In	put voltage : A	C100~240V (A		utput voltage :		Weight: 28	
Base				Detachable		Shifting		Detachable		Shifting
Physical	Instrument Dimens	sion			197(W	/) x 347(H) x 21	7(L)mm			
(including Battery) Weight			6.3kg		6.1kg		6.3kg		6.1kg

(1),(2),*(3): Values in () are distance measurement range in good condition *(4)Over 200 to 270m: ±(7+10ppmxD) mm *(5) Depending on application software. *(6) Memory card is not supplied with the instrument.

- The measurement range may vary by measurement conditions.
 Normal conditions: 20km visibility with slight shimmer.
- Good conditions: 40km visibility, overcast, no heat, no shimmer and moderate wind.

 Reflector sheet: PENTAX genuine reflector sheet (5cm x 5cm).

 Quick Mode, which is effective only under Normal mode (1mm) setting, functions with Prism and Reflector.
- less Sheet. It is incorporated in all X series models and effective up to 500m.
- When Quick Mode is on, the EDM accuracy using prism and reflector sheet is ±(3+2ppm x D)mm.
 When automatic correction is activated in Quick Mode, the EDM accuracy is ±(3+10ppm x D)mm.

 •EDM Measuring time varies according to distance to be measured and conditions of the environment.
- · Reflector less:
- + Netlector less:
 The measurement range and accuracy of Reflector less are based on the condition that laser beam is emitted perpendicular to the white side of the Kodak Gray Card.
 The measurement range may be influenced by the shape of the target and its environment.
 The measurement range at TRACK mode is over 5m.
 It takes time, longer than usual, to measure the distance exceeding 200m or to measure the distance to the object

- that is hard to measure.
- The maximum distance that can be shown on the display is 322m in the non-prism measurement mode.

 -The measurement range, accuracy of distance measurement and time required to measure may be influenced by the shape, size of surface area and reflection rate of the target and its environment.

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Visit the W-800 series at: www.pentaxsurveying.com

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DANGER LASER RADIATION - DO NOT STARE
INTO BEAM OR VIEW DIRECTLY
WITH OPTICAL INSTRUMENT
INTO SUNLIGHT
620-690 nm/4.95mW max. 620-690 nm/4.95mW max. CLASS IIIa LASER PRODUCT Laserclass IIIa, conform FDA 21 CFR Ch. 1 § 1040

ISO ISO 9001:2000 ISO 14001:2004



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