

SPECIFICATIONS

		Arc9	Arc7L	Arc7
Distance Measurement				
EDM System		Laser Class 3R ^①		
		Wave legnth: 650 - 690 nm. 150MHz Frequency		
Measurement Range	Single Prism ^②	3500m	5000m	5000m
	Reflective Sheet ^③	1000m	1000m	600m
	Reflectorless ^④	1000m	1000m	600m
Accuracy	Single Prism	± (1 + 1ppm × D)mm		
	Reflective Sheet	± (3 + 2ppm × D)mm		
	Reflectorless	± (3 + 2ppm × D)mm ^⑤		
Measuring Time	Prism	Tracking<0.1s, Fine<0.3s		
	Sheet	<0.3s		
	Reflectorless	0.3-3s ^⑥		
Atmospheric Correction		Manual Input, Auto Correction		
Prism Constant		Manual Input		
Dist. Unit		Freecale Sensor		
Reading				
Measuring Time		Fine Mode<0.3s; Tracking Mode<0.1s		
Atmospheric Correction		Auto Correction		
Prism Constant		Manual Input		
Angle Measurement Measurement				
Method		Absolute Encoding		
Diameter of Absolute Encoding Disk		79mm		
Minimum Reading		0.1 ” or 1 ” option		
Accuracy		1 ”	2 ”	2 ”
Detection Method		Horizontal: 4 path, Vertical: 4 path		
Telescope				
Image		Erect		
Effective Aperture		48mm		
Magnification		30 X		
Field of View		1 ° 30 ’		
Minimum Focusing Distance		1.4m		
Automatic Compensator				
System		Dual-Axis Liquid-electric Sensor Compensation		
Working Range		± 4 ’		
Accuracy		1 ”		
Sensitivity of Vial				
Plate Vial		30 ” /2mm		
Circular Vial		8 ’ /2mm		
Laser Plummet (Default)				
Accuracy		± 1.5mm (in 1.5m InsHt)		
Wave Length		630nm—670nm		
Laser Power		≤0.4mW		
Optical Plummet (Option)				
Image		Erect		
Magnification		3 X		
Focusing Range		0.5m - ∞		
Field of View		5 °		
General				
Operate System		Windows CE 6.0		
Processor		Intel PXA310 624Mhz		
Memory		128M DDR, 512M NAND Flash		
Display		3.5inches LCD Touch Screen 640*480dpi		
Communication		RS-232, Mini USB, USB OTG, SD card		
		Bluetooth V2.0+EDR, 10m range		
		WIFI 802.11		
Battery		Rechargeable Lithium Battery		
Voltage		7.4V DC		
Operation Time		6 hours		
Environment		— 20℃ ~ + 50℃		
IP Standard		IP55		
Dimension and Weight		196 × 192 × 360mm, 6.2kg		

STANDARD PACKING LIST

Main unit	1x
Lens cover	1x
Battery holder	1x
Battery LB-01	2x
Tools pouch	1x
Plummet	1x
SD card	1x
Y type cable	1x
Manual	1x
Warranty card	1x
Charger LC-01	1x
Reflective sheet	1x
Carry case	1x
Belt	2x
Mini USB cable	1x

① EN60825-1: 2007 ② Good conditions: No haze, visibility about 40km. Overcast, no scintillation ③ Good conditions. With Koda gray card white side (90%) reflective. sheet size 60*60mm. 400m under good conditions with koda gray card grey side (18%). ④ With Kodak gray card white side (90%) reflective. Reflectorless range /accuracy may vary according to measuring objects, observation situations and environmental conditions ⑤ Range less than 200m. When 200m to 500m, 5+2ppm and measurement time maximum less than 10 second ⑥ Typical, under good conditions. Range less than 500m. It also depend on object surface. Maximum less than 10s

OPTIONAL ACCESSORIES



ATS-2 Wooden Tripod
NLS-15 Prism Pole
TK21T Prism Set

You Local Authorized Dealer

SANDING

Arc9/Arc7 SERIES
TOTAL STATION



SANDING

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