



RTS360 Series Windows CE Total Station



- Trigger key
- Compact design with Windows CE 5.0 operating system
- Endless drives, collimate target faster with two hands operation
- Smart battery managing system, display battery life in real-time
- Professional onboard software: FOIF FieldGenius, Carlson SurvCE or FOIF Survey
- Illuminated keyboard with light sensor, turn on in dark surroundings automatically
- Long reflectorless measuring distance reaches to 500m(R500) or 1000m(R1000)
- 3.5" colour TFT LCD (320 x 240 dots) touch screen, transfective sunlight readable display
- 500m-1000m long range Bluetooth cable-free connection offers solution of semi-automatic data collection(optional)




RTS360 can connect to data collector through long distance Bluetooth



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Technical data

	RTS362	RTS365		RTS362	RTS365
Telescope			Level vial sensitivity		
Length/Image	156mm/Erect		Plate level vial	30" /2mm	
Objective aperture	φ 45mm		Circular level vial	8' /2mm	
Magnification	30x		Compensator		
Field of view	1° 30'		Working range	3'	
Shortest focus distance	1.0m		Setting accuracy	1"	
Angle measurement			Laser plummet(Standard)*4		
Reading system	Absolute encoder		Accuracy	±1mm/1.5m	
Angle unit	360/400gon/6400mil, selectable		Laser class	Class 2/IEC60825-1	
Display resolution	0.5" /1" /5" (0.1mgon/0.2mgon/1mgon)		Laser brightness	Adjustable	
Accuracy*1	2"	5"	Laser wave length	635nm	
Distance measurement(R500)			Endless drive		
Display resolution(m/inch selectable)	0.1mm/1mm		Display		
Laser class	Prism	Class 1	3.5" colour TFT LCD(320x240 dots) touch screen		
	Reflectorless/Reflective sheet	Class 3R	Transflective sunlight readable display		
Measurement range (Good condition)*2			Power		
Reflectorless*3	1 to 500m		Battery	3400mAh Li-ion Rechargeable	
Reflective sheet/RP60	1 to 800m		Output voltage	7.4V DC	
Single prism	1 to 3000m		Continuous operation time	8 hours	
Accuracy			(Single distance measurement every 30 seconds)		
Prism	2mm+2ppm		Charger	FDJ6-LI(100V /240V)	
Reflective sheet/RP60	3mm+2ppm		Charging time(at +20°C)	Approx. 4 hours	
Reflectorless	1-200m:3mm+2ppm/≥200m:5mm+3ppm		Application programs		
Measuring time	Initial:2s		Data collection/Stake out/Resection/REM/MLM/Point to line		
Prism (Standard mode)	3s		AREA/Z coordinate/OFFset/3D Road/Traverse adjustment		
Reflective sheet/RP60 (Standard mode)	3s		Tape measurement/Section/Axis positioning measurement		
Reflectorless (Standard mode)	3s		Others		
Distance measurement(R1000)			CPU	ARM9 Core	
Laser class			Memory	4G internal memory	
Prism standard mode/Prism long mode	Class1/Class 2		Sensors	Built-in temperature and pressure sensors	
Reflective sheet	Class 2		Keyboard	Alphanumerical key board, both sides	
Reflectorless standard mode	Class 2		Weight(including batteries)	6.0kg	
Reflectorless long mode	Class 3R		Interface	USB/RS-232C/Bluetooth(Optional)	
Measurement range (Good condition)*2			Water and dust protection	IP54(IEC60529)	
Standard mode/Prism	1 to 3500m		<div style="border: 1px solid black; padding: 5px;"> <p>Related products</p>  <p>RTS330/RTS330S RTS350 RTS100/RTS100R DT400/LP400</p> </div>		
Long mode /Prism	1 to 6000m				
Reflective sheet/RP60	1 to 1200m				
Reflectorless*3	1 to 1000m				
Accuracy/typital measuring time(max.20s)					
Prism standard mode	1mm+1.5ppm/1.0s~5.0s				
Prism long mode	2mm+2.5ppm/0.7s~6s				
Reflective sheet/RP60	2mm+2ppm/1s~5s				
Reflectorless	1-500m: 2mm+2ppm/0.7s~6s >500m: 4mm+2ppm/3s~12s				

*1 Standard deviation based on ISO17123-3

*2 Good conditions: no haze, visibility about 40km, no heat shimmer, breeze

*3 Reflector: White side of Kodak Gray Card with 90% reflective

*4 Laser plummet mounted on the bottom of the vertical axis

Illustrations, descriptions and technical specifications are not binding and may change

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Suzhou FOIF Co.,Ltd.

TEL:+86 512 65224904

FAX:+86 512 65230619

Http://www.foif.com

E-mail:internationalsales@foif.com.cn

ADD: 18 Tong Yuan Road, Suzhou 215006, P.R. China



Local Dealer:



Strada Flori de Tei, nr. 12
Sat Olteni, Comuna Clinceni, Jud Ilfov
Romania, Cod: 077060
Tel: 0311 035 348
E-mail:office@cadsolutions.ro;
www.cadsolutions.ro