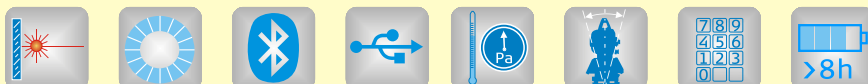




## RTS360 Series Windows CE Total Station



- 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<sup>®</sup> cable-free connection offers solution of semi-automatic data collection(optional)



RTS360 can connect to data collector through long distance Bluetooth

# RTS360 Series Windows CE Total Station

## 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		Dual-axis compensator	
Field of view		1° 30′		Working range		3′	
Shortest focus distance		1.0m		Setting accuracy		1″	
Angle measurement				Laser plummet(Standard) <sup>*4</sup>			
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 <sup>*1</sup>		2″	5″	Laser wave length		635nm	
Distance measurement(R500)				Endless drive		H&V	
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) <sup>*2</sup>				Power			
Reflectorless <sup>*3</sup>		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℃)		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) <sup>*2</sup>				Water and dust protection		IP54(IEC60529)	
Standard mode/Prism		1 to 3500m		<div><div>■ Related products</div><div></div><div>RTS330/RTS330S    RTS350    RTS100/RTS100R    DT400/LP400</div></div>			
Long mode /Prism		1 to 6000m					
Reflective sheet/RP60		1 to 1200m					
Reflectorless <sup>*3</sup>		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

**FOIF** Since 1958  
It's professional

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