



RTS360 Series Windows CE Total Station



- Easy one-touch operation, simply push the trigger key
- Compact design with Windows CE 7.0 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 Survey or FOIF FieldGenius(optional)
- Illuminated keyboard with light sensor, turn on in dark surroundings automatically
- Long reflectorless measuring distance reaches to 600m(R600) or 1000m(R1000)
- 3.5" colour TFT LCD (320 x 240 dots) touch screen, transfective sunlight readable display



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Technical data

		RTS362	RTS365			RTS362	RTS365
Telescope				Laser plummet(Standard) ^{*4}			
Length/Image		156mm/Erect		Accuracy		±1mm/1.5m	
Objective aperture		ø 45mm		Laser class		Class 2/IEC60825-1	
Magnification		30x		Laser brightness		Adjustable	
Field of view		1°30′		Laser wave length		635nm	
Shortest focus distance		1.0m		Endless drive		H&V	
Angle measurement				Display			
Reading system		Absolute encoder		3.5" colour TFT LCD(320x240 dots) touch screen			
Angle unit		360°/400gon/6400mil, selectable		Transflective sunlight readable display			
Display resolution		0.5"/1"/0.1"(0.15mgon/0.3mgon/0.03mgon)		Power			
Accuracy ^{*1}		2"	5"	Battery		3400mAh Li-ion Rechargeable	
Distance measurement				Output voltage		7.4V DC	
Display resolution(m/inch selectable)		0.1mm/1mm		Continuous operation time		5 hours	
Laser class	Prism	Class 1		(Single distance measurement every 30 seconds)			
Reflectorless/Reflective sheet		Class 3A		Charger		FDJ6-LI(100V /240V)	
Measurement range (Good condition)				Charging time(at +20°C)		Approx. 4 hours	
Reflectorless ^{*2}				Application programs			
R600		2.0 to 600m		Data collection/Stake out/Resection/REM/MLM/LHM			
R1000		2.0 to 1000m		/Offset measurement/Traverse surveying			
Single prism(standard mode/long mode) ^{*3}		2.0 to 3000m/2.0-5000m		Others			
Accuracy				CPU		ARM Cortex A8	
Prism in standard mode		2mm+2ppm		Memory		4GB internal memory	
Reflective sheet/RP60		3mm+2ppm		Sensors		Built-in temperature and pressure sensors	
Reflectorless				Keyboard		Alphanumerical key board, both sides	
R600		2.0-150m:3mm+2ppm; 150-300m:5mm+3ppm; 300-500m:10mm+5ppm		Weight(including batteries)		6.0kg	
R1000		2.0-150m: 3mm+2ppm ;150-300m: 5mm+3ppm 300-500m: 10mm+5ppm ;500-800m: 20mm+10ppm		Interface		USB/RS-232C/Bluetooth(Optional)	
Measuring time		Initial:2s		Water and dust protection		IP54(IEC60529)	
Prism		typ.1.0-1.5s		Guide light		optional	
Reflective sheet/RP60		typ.1.5s		■ Related products     OTS680 RTS350 RTS100 DT400/LP400			
Reflectorless		typ.1.5-5s, max. 20s					
Level vial sensitivity							
Plate level vial		30"/2mm					
Circular level vial		8'/2mm					
Compensator		Dual-axis compensator					
Working range		3′					
Setting accuracy		1"					

*1 Standard deviation based on ISO17123-3
CAT NO.E1527795, 90% reflectivity, A4 size

*2 condition: 20km visibility, backlight illuminance less than 5000lx, no fog and direct sunlight. Reflectorless target: KODAK

*3 condition: 40km visibility, clear, no heat shimmer

*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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