

## RTS350 Series Windows CE Total Station



- Compact design with Windows CE 7.0 operating system
- 3.5" colour TFT LCD (320 x 240 dots) touch screen, transfective sunlight readable display
- Professional onboard software: FOIF Fieldgenius, FOIF Survey
- Long reflectorless measuring distance reaches to 600m(R600) or 1000m(R1000)
- Illuminated keyboard with light sensor, turn on in dark surroundings automatically
- Multiple data interfaces, USB host, USB slave, RS-232C or Bluetooth(optional) connections are available
- Smart battery managing system, display battery life in real-time
- Guide light system(optional) for fast stake out measurement



# RTS350 Series Windows CE Total Station

## ■ Technical data

	RTS352	RTS355		RTS352	RTS355
Telescope			Laser plummet(Standard) *4		
Length/Image	156mm/Erect		Accuracy	± 1.0mm/1.5m	
Objective aperture	φ45mm		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		Display	3.5" colour TFT LCD (320 x 240 dots) touch screen transflective sunlight readable display	
Angle measurement	Absolute encoder		Power	3400mAh Li-ion Rechargeable	
Reading system	Absolute encoder		Battery	3400mAh Li-ion Rechargeable	
Angle unit	360° /400gon/6400mil, selectable		Output voltage	7.4V DC	
Display resolution	0.5" /1" /0.1" (0.15mgon/0.3mgon/0.03mgon)		Continuous operation time	5 hours (Single distance measurement every 30 seconds)	
Accuracy*1	2"	5"	Charger	FDJ6-LI(100V /240V )	
Distance measurement			Charging time(at +20°C)	Approx. 4 hours	
Display resolution(m/inch selectable)	0.1mm/1mm		Application programs	Data collection/Stake out/Resection/REM/MLM/LHM /Offset measurement/Traverse surveying/ Graphical display with map layout	
Laser class Prism	Class 1		Others	CPU ARM Cortex A8 Memory 4GB internal memory Sensors Built-in temperature and pressure sensors Keyboard Alphanumerical illuminated key board, both sides Guide Light System Factory optional Weight(including batteries) 6.5kg Dimensions(WxDxH) 185x220x360mm Operating temperature -20°C to +50°C Interface USB host/USB slave/RS-232C/Bluetooth(Optional) Water and dust protection IP54(IEC60529)	
Reflectorless/Reflective sheet	Class 3A				
Measurement range (Good condition )					
Reflectorless*2	2.0 to 600m				
R600	2.0 to 600m				
R1000	2.0 to 1000m				
Single prism(standard mode/long mode)*3	2.0 to 3000m/2.0-5000m				
Accuracy					
Prism in standard mode	2mm+2ppm				
Reflective sheet/RP60	3mm+2ppm				
Reflectorless					
R600	2.0-150m:3mm+2ppm; 150-300m:5mm+3ppm; 300-500m:10mm+5ppm				
R1000	2.0-150m:3mm+2ppm; 150-300m:5mm+3ppm; 300-500m:10mm+5ppm 500-800m:20mm+10ppm				
Measuring time	Initial:2s				
Prism	typ.1.0-1.5s				
Reflective sheet/RP60	typ.1.5s				
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"				

## ■ Related products



RTS680



RTS360



RTS100



DT400/LP400

\*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

\*5 Laser safety certificate IEC 60825-1/ EN60825-1 compliant

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

**FOIF** Since 1958  
It's professional

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: