

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 connections are available
- Smart battery managing system, display battery life in real-time
- Guide light system for fast stake out measurement



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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			Power		
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" (0.1mgon/0.2mgon/0.03mgon)		Continuous operation time	8 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/ AREA/Z coordinate/OFFset/Road/Traverse/ Graphical display with map layout	
Laser class	Prism	Class 1	Others		
	Reflectorless/Reflective sheet	Class 3A	CPU	ARM Cortex A8	
Measurement range (Good condition) *2			Memory	4GB internal memory	
Reflectorless*3			Sensors	Built-in temperature and pressure sensors	
R600	1 to 600m		Keyboard	Alphanumerical illuminated key board, both sides	
R1000	1 to 1000m		Guide Light System	Factory optional	
Prism			Weight(including batteries)	5.5kg	
Normal mode	1 to 3000m		Dimensions(WxDxH)	185x220x360mm	
Long mode	1 to 5000m		Operating temperature	-20°C to +50°C	
Accuracy			Storage temperature	-40°C to +70°C	
Prism			Interface	USB host/USB slave/RS-232C/Bluetooth(Optional)	
Normal mode	1mm+1ppm		Water and dust protection	IP55(IEC60529)	
Long mode	2mm+2ppm				
Reflective sheet/RP60	3mm+2ppm				
Reflectorless	1-500m:2mm+2ppm >500m:4mm+2ppm				
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

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

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