

☎ 71481573 - 76997450
✉ gygtechnical@gmail.com



CENTRAL: Avenida Blanco Galindo km3.5
lado Surtidor Los Alamos.
SUCURSAL 1: Calle Sucre s/n, Colomi
SUCURSAL 2: Plaza Principal GAM casi calle
Aroma, GLIZA.

FOIF RTS100 Series Total Station



- Alphanumeric keyboard
- Reflectorless measuring distance:600m(R600)
- Bluetooth cable-free connection(Factory Optional)
- 120000 points and 40 jobs can be saved
- Can be operated with a data collector, FOIF FieldGenius, or other third party software is available



RTS100 Series Total Station

Technical data

	RTS102	RTS105		RTS102	RTS105
Telescope			Level vial sensitivity		
Image		Erect	Plate level vial		30" /2mm
Objective aperture		φ45mm	Circular level vial		8' /2mm
Magnification		30×	Laser plummet(Standard) *4		
Field of view		1° 30'	Accuracy		±1mm/1.5m
Shortest focus distance		1.0m	Laser class		Class 2/IEC60825-1
Angle measurement			Laser spot brightness		Adjustable
Reading system		Absolute encoder	Laser wave length		635nm
Angle unit		360° /400gon/6400mil, selectable	Optical plummet(Factory Optional)		
Display resolution		1" /5" /10" (or 0.2mgon/1mgon/2mgon)	Accuracy		±0.8mm/1.5m
Accuracy*1		2" 5"	Image		Erect
Distance measurement			Magnification/Field of view		3×/4°
Laser class(IEC60825-1)			Focus range		0.5m to ∞
Reflectorless		Class 3A(3R)	Power		
Reflective sheet/RP60		Class 3A(3R)	Battery		3400mAh Li-ion Rechargeable
Prism		Class 1	Output voltage		7.4V DC
Measurement range			Continuous operation time (angle measurement)		Approx. 24 hours(At +20°C)
Reflectorless*2			Charger		FDJ6-LI
R600		2.0 to 600m (800m optional)	Charging time(at +20°C)		Approx.4 hours
Single prism*3		2.0 to 5000m	Application programs		
Accuracy			Data collection/Stake out/Resection/REM/MLM/Road		
Prism		2mm+2ppm	AREA/Point to line/Z coordinate/OFFset/Arc staking out		
Reflective sheet/RP60		3mm+2ppm	Others		
Reflectorless			Display		LCD, 6lines X20characters(96 X160 dots)
R600		3mm+2ppm	CPU		32Bit
Measuring time(prism)			Memory		120000 points, support SD card(max.16G)
Tracking		0.4 sec	Keyboard		Alphanumerical key board, both sides
Fast		0.6 sec	Weight(including batteries)		5.1kg
Fine		1.0 sec	Dimensions(WxDxH)		175x178x340mm
Display resolution(m/inch selectable)		0.2mm/1mm	Operating temperature		-20°C to +50°C
Temperature input range		-40°C to +60°C(1°C steps)	Storage temperature		-40°C to +70°C
Pressure input range		500hPa to 1500hPa(1hPa steps)	Interface		USB/RS-232C/Bluetooth(Factory Optional)
Prism constant correction		-99.9mm to +99.9mm	Water and dust protection		IP66(IEC60529)
Compensator		Dual-axis	Data transfer software		FOIF Geomatics Office(FGO)
Range		±3'	Data collector		F58, fully rugged PDA(Optional)
Setting accuracy		1"			

*1 Standard deviation based on ISO17123-3 *2 condition: 20km visibility, backlight illuminance less than 5000lx, no fog and direct sunlight. Reflectorless target: KODAK CAT NO.E1527795, 90% reflectivity, A4 size *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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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



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