

Specifications

Model	RTS010N	RTS362N
Angle Measure		
Accuracy	1"	2"
Method	Absolute encoder	
Unit	360° (dms/d) /400gon/6400mil	
Min. display	0.1"	
Distance Measure		
Accuracy	$\pm (1+1 \times 10^{-6} D) \text{ mm}$	$\pm (2+2 \times 10^{-6} D) \text{ mm}$
Range	Reflectorless	2.0~1000m
	Reflective sheet	2.0~800m
	Standard prism(remote prism mode)	2.0~5000m
Time	Fine/Track	2.0s/0.5s
Unit		m/ft/US ft
Min. display		0.0001m
Telescope		
Magnification/Resolution		30x / 3"
Field of view		1°30'
Shortest focusing distance		1.0m
Effective aperture	$\varnothing 45\text{mm}$ Telescope	$\varnothing 50\text{mm}$ EDM
Imaging		Erect
Tilt compensation		
Compensation method		Dual-axis
Compensation range		$\pm 3.0'$
Level vial sensitivity		
Plate level vial		30"/2mm
Circular level vial		8"/2mm
Laser plummet		
Accuracy		$\pm 1.0\text{mm}/0.8\text{m} \sim 1.5\text{m}$
Laser spot		$\leq 2.0\text{mm}/0.8\text{m} \sim 1.5\text{m}$
Power		
Battery		7.4V, 5200mAh lithium battery
Working time		$\geq 8\text{h}$
Other		
Memory		4G RAM+32G ROM(8G+128G optional)
CPU		Quad-core 64-bit ARM A55 CPU 2GHZ
Display		5.5-inch touchscreen, resolution 720*1280, double displays or single display
Keyboard		15 keys at the bottom
Communication port		USB HOST port, USB Type C, Bluetooth, WIFI, RS-232C(4G module optional)
Trigger key/TF card/Audio output/Buzz output/RTC/Backlight adjustment/Temp. and air pressure sensor		Support
H-V movements	Lock drive	Endless drive
Network		Various networks(4G optional)
System update/APP update and release		Cloud support
Third-party software interface/Third-party software		Virtual serial port/BaseMeasure, SurPAD etc.
Software system		ANDROID 11.0
Protection grade		IP55 (IEC60529)
Working temp. range		-20°C ~ +50°C
Storage temp. range		-40°C ~ +55°C

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

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Precise
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RTS010N/RTS362N Android Total Station

Craft high-quality products

Create value from customers

RTS010N/RTS362N

Android Total Station

Features

Smart operating system

Android 11, open platform, strong extensibility, APP customizable as per different industries

High performance, easy operation

Quad-core processor, ARM Cortex-A55 structure, basic frequency up to 2GHZ

Various communication methods

Bluetooth, wifi, USB disk, Type-C, 4G network(optional)

Mass memory and storage

4G RAM+32G ROM(8G+128G, extensible), smooth running

Large HD screen, free touch

720P 5.5-inch touchscreen, high resolution 720*1280, strong light proof, clear and distinct

Strong battery life, efficient and smart

High capacity lithium battery, smart battery management, supports toggle display of single face and double faces, long working hours

Advanced angle measure system

CCD array angle measure system design, efficiently remove system errors

Multifunctional android survey software

Brand new android software Surpad, and plentiful survey apps, quite facilitate the field work

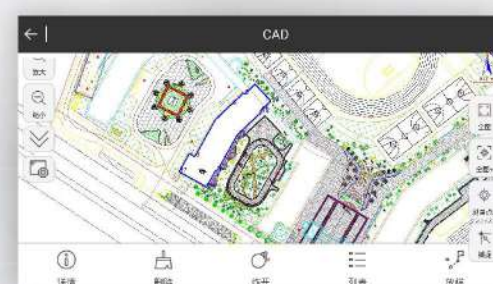
Easy and quick data transfer

Supports csv/txt/dat files quick import and export, especially CAD drawing loading and stakeout, OTA upgrade available

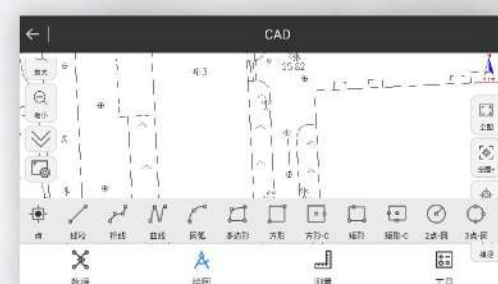
Graphical stakeout, as plain as print

Supports CAD graphical stakeout in a more efficient way

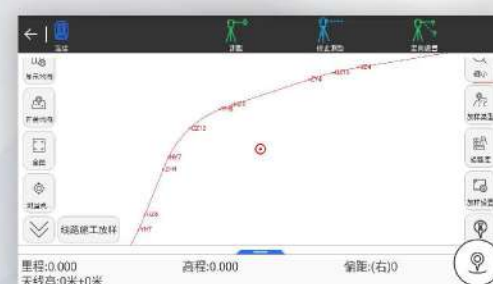
Software



CAD stakeout



Field drawing



Road editing



Tower footing stakeout



Mapping display for stakeout



Data files share

Various communication ports

High-precision lock drive

Image-assisted survey

One-finger trigger key

4G networks reserved

▲ RTS362N

▲ RTS010N

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