

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	± (1+1X10 ⁻⁴ D) mm	± (2+2X10 ⁻⁴ D) mm
Range	Reflectorless 2.0-1000m	2.0-1000m
	Reflective sheet 2.0-800m	2.0-800m
	Standard prism(remote prism mode)	2.0-5000m
Time	Fine/Track	2.0s/0.5s
Unit	m/R/US ft	
Min. display	0.0001m	
Telescope		
Magnification/Resolution	30x / 3"	
Field of view	1°30'	
Shortest focusing distance	1.0m	
Effective aperture	φ45m Telescope φ50mm EDM	
Imaging	Erect	
Tilt compensation		
Compensation method	Dual-axis	
Compensation range	±3.0°	
Level vial sensitivity		
Plate level vial	30"/2mm	
Circular level vial	8"/2mm	
Laser plummet		
Accuracy	±1.0mm/0.8m-1.5m	
Laser spot	≤2.0mm/0.8m-1.5m	
Power		
Battery	7.4V, 5200mAh lithium battery	
Working time	≥8h	
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



Precise Survey



**RTS010N/RTS362N
Android Total Station**

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



High-precision lock drive

Image-assisted survey

4G networks reserved

One-finger trigger key

RTS362N

RTS010N



Software

CAD stakeout

Field drawing

Road editing

Tower footing stakeout

Mapping display for stakeout

Data files share

Craft high-quality products

Create value from customers



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