

**Specifications**

Model	RTS010N	RTS362N
<b>Angle Measure</b>		
Accuracy	1"	2"
Method	Absolute encoder	
Unit	360° ( dms/d ) /400gon/6400mil	
Min. display	0.1"	
<b>Distance Measure</b>		
Accuracy	$\pm ( 1+1X10^{-6}D )$ mm	$\pm ( 2+2X10^{-6}D )$ 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	
<b>Telescope</b>		
Magnification/Resolution	30x / 3"	
Field of view	1°30'	
Shortest focusing distance	1.0m	
Effective aperture	$\varphi$ 45m Telescope	$\varphi$ 50mm EDM
Imaging	Erect	
<b>Tilt compensation</b>		
Compensation method	Dual-axis	
Compensation range	$\pm 3.0'$	
<b>Level vial sensitivity</b>		
Plate level vial	30"/2mm	
Circular level vial	8"/2mm	
<b>Laser plummet</b>		
Accuracy	$\pm 1.0$ mm/0.8m~1.5m	
Laser spot	$\leq 2.0$ mm/0.8m~1.5m	
<b>Power</b>		
Battery	7.4V, 5200mAh lithium battery	
Working time	$\geq 8$ h	
<b>Other</b>		
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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**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 extendibility, 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**

