

Specifications

Model		A1 1"		A1 2"	
Distance Measurement (Reflector)					
Range*	Prism Set	5000m			
	Reflector Sheet	1000m			
Accuracy		± (1+1×10 ⁻⁶ · D) mm		± (2+2×10 ⁻⁶ · D) mm	
Measure Time		Continuous: 0.35s, Tracking: 0.2s, Single: less than 1.2s			
Distance Measurement (Reflectorless)					
Range (Kodak Standard Gray, 90% Diffuse Reflectance)*		1000m			
Accuracy		0-300m 3+2		300-600m 5+2 >600m 10+2	
Measure Time		Continuous: 0.35s, Tracking: 0.2s, Single: less than 1.2s			
Angle Measurement					
Measure Method		Absolute Encoding			
Diameter of Encoding Disk		79mm			
Min. Reading		0. 1"/1"		1"	
Accuracy		1"		2"	
Telescope					
Image		Erect			
Tube Length		152mm			
Effective Aperture		Effective: 45mm DTM: 47mm			
Magnification		30X			
Field of View		1° 30'			
Resolution		3"			
Min. Focusing Range		1. 5m			
Comprehensive parameter					
Sensor		Dual-axis Liquid-Electric Sensor (Range: ±3', Accuracy: 1")			
Atmospheric Correction		T-P Sensor Auto Correction			
Prsim Constant		Auto Correction			
Trigger		Under Battery House			
Vial					
Plate Vial		30"/2mm			
Circular Vial		8'/2mm			
Plummet		Laser Plummet (Optical Optional)			
Data Transfer		RS-232C, USB, Bluetooth, Flash Disk			
Display Unit					
Type		LCD, Graphic			
Size		5. 0 Inch			
Graphic Display		Max: 99999999.999	Min: 0.1mm	Max: 99999999.999	Min:1mm
Battery					
Power Supply		Lithium Battery			
Voltage		7.4V			
Working Hours		8 Hours			
Dimention And Weight					
Dimention		206x200x353mm			
Weight		6.0kgs			
Storage					
ROM		16GB			
RAM		2GB			
Function					
GPS		Available			
Voice Recording		Available			
CPU		MT6735			
Data And Network					
Data Transfer		Bluetooth, Wifi, Wifi Hotspot			
4G		Available			
3G/2G		Available			
System Version (Sep.2018)		ANDROID 5.1			

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A1

ANDROID TOTAL STATION



Android O.S

Iconic Software

5.0 Inch Capacitive Touch Screen



Features



The first Android Total Station **A1** features open interface, available for any 3rd party software
Available for customized software based on your own request
5.0 Inch capacitive screen with multi-touch technology, quick and smooth for operations.

Hardware

Intergrated CPU

	Fast MTK MT6735 quad-core processor boosts speed, responsiveness and performance 64 digits Cortex-A53 MPCore™ structure, in 1.3GHz frequency
	Enhanced algorithm Powerful GPU with MaliT720-MP2 3D processor
	WIFI/4G Network Compatible with the main network system in worldwide, available for SIM card
	Multiple Transfer Standard Bluetooth, WIFI, Hotspot, RS232C, USB connection

Structure Improved

	Stable: Horizontal co-axis, improved the stability of accuracy
	Dual-Compensator: Re-located at the vertical center

Software

simple but not simplistic

Professional Framing

Iconic user interface, offers a smooth and flashing working experience.
Behind every simple step on A1 is our unremitting efforts to optimized the algorithm.

Built-in Toolbar, Quicker Than Ever

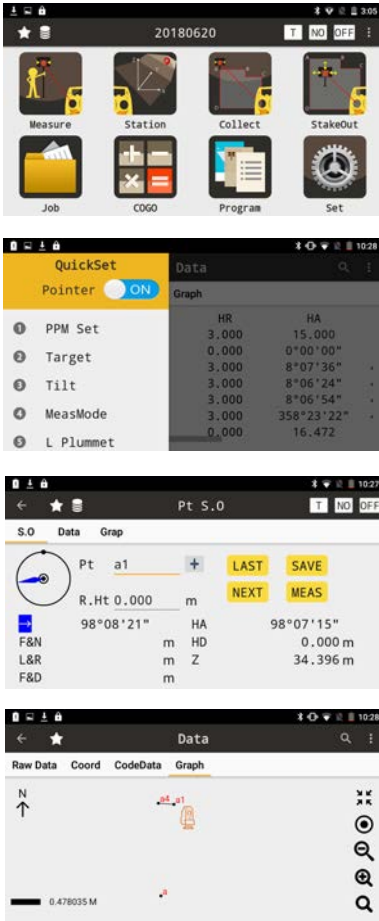
Integrate the setting page of laser pointer and plummet switch into quick menu.
The switching of measure mode, target and sensor becomes quicker to activate in toolbar than the other models.

Stake-out Guidance

Compass pointer with stake-out sketch, driving the new premium extras and powerful tools for your job.
A1 considered all the possible request by summing up the user's feedback over the years.

Automatic Graph Drawing

The graphic drawing in A1 realizes the data viewing and outputs in real-time.
Precision designed down to the last pixel in all conditions.



Functions

