

SPECIFICATIONS

Model	A1 1"		A1 2"		A1X 1"		A1X 2"	
Laser Plummet - AutoHI								
Type	Class II red laser							
Measuring Range	-				0.6-2.0m			
Minimum Reading	-				1mm			
Distance Accuracy	-				3mm			
Deviation	-				0.4mm @ 1.5m height			
Spot Diameter	-				1.5mm @ 1.5m height			
Distance Measurement (Reflector)								
Range	5000m							
	1000m							
Accuracy	±(1+1×10 ⁻⁶ ·D)mm		±(2+2×10 ⁻⁶ ·D)mm		±(1+1×10 ⁻⁶ ·D)mm		±(2+2×10 ⁻⁶ ·D)mm	
Measure Time	Fine: 0.3s,Tracking: 0.2s,Normal: 0.2s							
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	Fine: 0.3s,Tracking: 0.2s,Normal: 0.2s							
Angle Measurement								
Detection Method	Absolute Encoding							
Diameter of Encoding Disk	79mm							
Min. Reading	0.1"		1"		0.1"		1"	
Accuracy	1" /2"				1" /2"			
Telescope								
Image	Erect							
Tube Length	154mm							
Effective Aperture	Effective: 45mm DTM: 50mm							
Magnification	30X							
Field of View	1°30'							
Resolution	3"							
Min. Focusing Range	1.5m							
Guide Light								
Type	-				Red+yellow flashing LEDs			
Working Range	-				150m			
Comprehensive parameter								
Sensor	Dual-axis Liquid-Electric Sensor (Range: ±4', Accuracy: 1")							
Atmospheric Correction	T-P Sensor Auto Correction							
Prsim Constant	Auto Correction							
Trigger	Under Battery House							
IP Standard	IP55							
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 (1")		Max: 99999999.999		Min:1mm (2")	
Battery								
Power Supply	Lithium Battery 5000mAh							
Voltage	7.4V							
Working Hours	10 Hours							
Dimention And Weight								
Dimention	206x200x353mm							
Weight	6kg							
Storage								
ROM	32GB							
RAM	3GB							
Function								
GPS	Available							
Voice Recording	Available							
CPU	mt6735							
Data And Network								
Data Transfer	BLUETOOTH, Wifi, Wifi Hotspot							
4G	Available							
3G/2G	Available							
System Version	ANDROID 9							

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A1 series
Android Total Station

“possibility

infinite”



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Features



The first Android Total Station **A1 series** 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

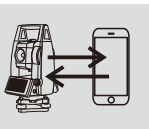
Intergrated CPU



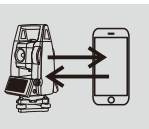
Fast
MTK MT6735 4-core processor boosts speed, responsiveness and performance
64 digits Cortex-A53 MPCORE TM structure, in 1.3GHz frequency



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

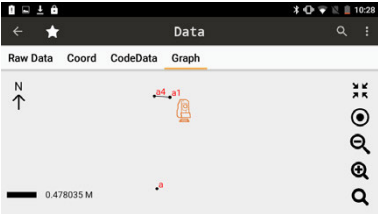
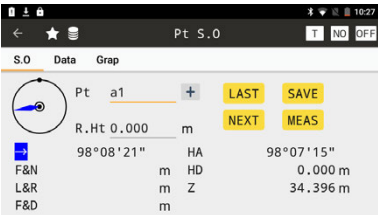
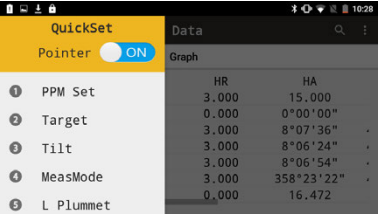
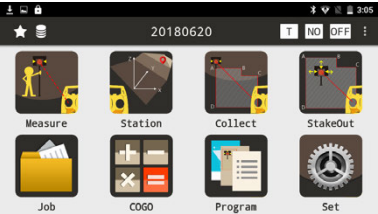
Integrate the setting page of laser pointer and plummet switch into quick menu.
The switching of measure mode, target and sensor becomes quicker to activate in toolbar than the other models.

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

