

# Specifications >>>

<b>Telescope</b>		<b>Level vial sensitivity</b>	
Length	156mm	Plate level vial	30"/2mm
Image	Erect	Circular level vial	8"/2mm
Objective aperture	Telescope:Φ45mm(meas.dist.:Φ50mm)	<b>Laser plummet(Standard)*4</b>	
Magnification	30×	Accuracy	±1mm/0.8m-1.5m
Field of view	1°30'	Spot size	≤2.0mm/0.8m-1.5m
Shortest focus distance	1.0m	<b>Optical plummet(Factory Optional)</b>	
<b>Angle measurement</b>		Accuracy	±0.8mm/1.5m
Reading system	Absolute encoder	Image	Erect
Angle unit	360°/400gon/6400mil, selectable	Magnification	3×
Display resolution	1"/5"/10"(or 0.2mgon/1mgon/2mgon)	Field of view	4°
Accuracy	2"	Focus range	0.5m to ∞
<b>Distance measurement</b>		<b>Power</b>	
Laser class(IEC60825-1)		Battery	5200mAh Li-ion Rechargeable
Reflectorless	Class 3R	Output voltage	7.4V DC
Reflective sheet/RP60	Class 3R	Continuous operation time	Approx.8 hours(At+20°C)
Prism	Class 1	Charging time(at +20°C)	Approx. 4 hours
Measurement range (Good condition)*2		<b>Third Party software supported</b>	
Reflectorless*3		Surpro 6.0	
Reflectorless	1 to 1000m	<b>Others</b>	
Reflective sheet/RP60	1 to 1200m	Display	5.5 inch; Resolution 720*1280
Single prism	1 to 5000m	CPU	4-core 64 bit ARM A55 CPU 2GHZ
Accuracy		Memory	4G RAM+32G ROM(8G+128G optional)
Prism	2mm+2ppm	Keyboard	15 keys under the display
Reflective sheet/RP60	2mm+2ppm	Interface USB /Type C/Bluetooth/WIFI/ RS-232C(4G module optional)Trigger key/ TF card/Voice output/Buzz output/RTC/	
Reflectorless	2mm+2ppm	Supported	
Measuring time		Screen backlight adjustment/ Temperature and air pressure sensor	
Fine mode	0.5s	Network (4G optional)	
Tracking mode	0.3s	System ANDROID 11.0	
Display resolution(m/inch selectable)	0.1 mm/1mm	Water and dust protection IP55(IEC60529)	
Pressure input range	500hPa to 1500hPa( 1hPa steps)	Operating temperature -20°C~+50°C	
Temperature input range	-40°C to+60°C(1°C steps)	Storage temperature -40°C~+55°C	
Prism constant correction	-99.9mm to +99.9mm		
<b>Compensator</b>			
Range/Setting accuracy	±3'/1"		

\* 1 Standard deviation based on ISO17123-3

\* 2 Good conditions: no haze, visibility about 40km, no heat shimmer, breeze

\* 3 Reflector: White side of Kodak Gray Card with 90% reflective \* 4 Laser plummet mounted on the bottom of the vertical axis

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

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# Product Feature >>>

- Intelligent operating system**  
Android 11 system with open platform and strong scalability, which can customize APP according to the needs of different industries
- Strong performance, smooth operation**  
Equipped with quad-core processor, ARM Cortex-A55 architecture, can clocked up to 2GHz
- Variety of communication modes**  
Bluetooth, wifi, USB disk, Type-C, 4G full network (optional)
- Extra memory and storage**  
4G RAM+32G ROM (expandable 8G+128G), running smoothly without lag
- HD large screen**  
720P HD 5.5-inch large screen, 1280\*720 high resolution, clearly visible in strong light



- Super endurance, efficient intelligence**  
Large capacity battery and intelligent power management support long working time and single and double side switching display
- Advanced angle measurement system**  
Design of CCD array angle measurement system to effectively eliminate system errors
- Multifunctional android measurement software**  
The new Android measurement software Surpro6.0 with rich measurement programs, easy to complete the internal and external business measurement
- Convenient and fast data transfer**  
Easily import and export Csw/bxt/dat files, support CAD drawing import, CAD lofting, and OTA upgrade
- Graphical stake out, clear at a glance**  
Supports CAD graphics stake out, making stake out more efficient



# Software Interface >>>

- CAD Stakeout**: Shows a 3D CAD model of a building with measurement points overlaid.
- CAD Mapping**: Shows a 2D CAD drawing with measurement points and dimensions.
- Road Stakeout**: Shows a road layout with measurement points and distances.
- Tower Stakeout**: Shows a tower structure with measurement points and dimensions.
- Point Stakeout**: Shows a point measurement screen with coordinates and distance.
- Data Share**: Shows an export data dialog box with options for file name, format, and export path.