SPECIFICATION

	Arc 5 Plus
TELESCOPE AND EDM	
Length	154mm
Objective Lens Diameter	Telescope: 45mm Distance Meter: 50mm
Magnification	30X
Laser Dot Size	A 20 m: 6mm x 9mm A 50 m: 8mm x 20mm A 100 m: 15mm x 26mm
Image	Erect
Field of View	1°30'
Resolving Power	3"
Mini. Focus	1.0m
DISTANCE MEASUREMENT	*Accuracy Standard:ISO017123-4
Single Prism	>1500m *1
Non-Prism	1000m *2
Accuracy -Prism Mode	±(2mm+2ppm x D)m.s.e. *3
-Non-Prism Mode	<500m: ±(2mm+2ppm x D)m.s.e. *3 >500m: ±(3mm+2ppm x D)m.s.e. *3
Measuring Time	Fine: 1.0s, Tracking: 0.5s *4
Meteorologic Correction	Manual Input, Auto Correction
Prism Constant	Manual Input, Auto Correction
On-side Shortcut	Trigger key to make measurement more easily
ANGLE MEASUREMENT	*Accuracy Standard:ISO017123-3
Method	Absolute Continuous Encoding
Endless Drives	Smooth Movements With No Delayed Response
Min. Reading	0.5"/1"/5"/10"
Accuracy	2"
Diameter of Circle	79mm
Vertical Angle 0°	Zenith 0°/Horizontal: 0°
Unit	360°/400gon/6400mil
DISPLAY	
Size	66mm X 42mm;240*160 Dot Matrix
No.of Display	2
Keyboard	Alphanumeric Key
TILT CORRECTION	
Tilt Sensor	Dual Axis
Method	Liquid Electric
Range	±3'
Setting unit	1"
LEVEL SENSITIVITY	
Plate Level	30"/2mm
Circular Level	8'/2mm
LASER PLUMMET	
Accuracy	±1.5mm at 1.5M Instrument Height
Laser Class	Class 2 /IEC60825-1
Wavelength	630-670nm
Laser Power	<0.4mW
DATA STORAGE & INTERFACE	
Storage	Internal Memory: 1GB; Max. Flashdrive USB max 32GBsupported
Data Interface	SD-card/RS232C
GENERAL	
Laser Class *5 -EDM	Class IIIA
-Laser Plummet	Class II
Working Temperature	-20℃ to + 50℃
Battery Type	5100mAh Rechargeable Lithium Battery
Battery Voltage	DC 7.4V
Working Time	25h
Water & Dust Proof	IP66

*1. Good condition: No haze, visibility about 40km, overcast, no scintillation.
*2. With Kodak Grey Card white side (90% reflectivity).
*3. D stands for distance.
*4. Typically, under good condition, non-prism measuring time may differ according to measuring target, observation situations, and environmental conditions.
*5. According to FDA21 CFR Ch.1 §.1040.

STANDARD PACKAGE COMPONENTS

Carrying Case X 1
Charger X 1
Battery X 2
Rain Cover X 1
Mini USB Cable X 1
Carrying Belt X 2
Plumb X 1
Adjusting Pin X 1
Screw Driver X 1
Wiping Cloth X 1
Lens Cover X 1
SD-Card X 1
Multi-port Cable X 1
Warranty Card X 1
Reflecting Sheet X 1
User Manual X 1

OPTIONAL ACCESSORIES



TPS26
Single Prism System



TK21SET
Prism Set



ATS-1
Aluminum Tripod

ATS-L
Wooden Tripod

TPS106
Prism Pole
& Prism System

CE

ISO 9001:2008





SANDING
EVERY POINT MATTERS

SANDING OPTIC-ELECTRICS INSTRUMENT CO.,LTD
Add: 7/F, No.39 Si Cheng Road, Tian He IBD Guangzhou 510663, China
Tel: +86-20-23380888 Fax: +86-20-23380800
E-mail:export@sandinginstrument.com
http://www.sandingnstrument.com

Dealer Info

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SANDING
EVERY POINT MATTERS

TOTAL STATION

Arc 5 Plus

Endless Locking System
Angle Accuracy 2″



NEW UPDATES

Endless Locking System
Guide Light for Stakeout
Powerful Battery 5100mAh

TOTAL STATION

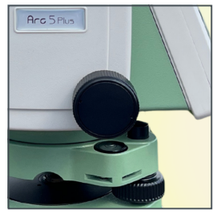
Arc 5 Plus

New 1000m Reflectorless EDM

ENDLESS LOCKING SYSTEM

New endless locking system enables users to aim the targets without locking the screw, whicn can boost efficiency by up to **30%** and save more time when implementing a fieldwork.

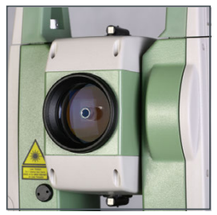
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DISTANCE MEASUREMENT

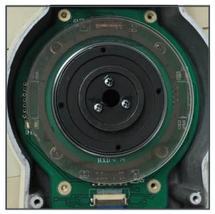
1000m reflectorless measuring range covers a most common scale in your field job. With a single prism, you can reach up to 5km quickly with 2mm+2ppm accuracy.

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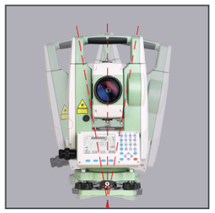
ANGLE MEASUREMENT

Arc 5 Plus adopts an absolute encoding system, which does not require initialization by 0 set, and delivers a precise and stable angle measurement with up to 2" accuracy.



TILT COMPENSATOR

The dual-axis tilt compensator monitors the inclination of both X and Y axes, and then correct the horizontal and vertical angle reading automatically.



DISPLAY & TRIGGER KEY

A high definition graphic display with 8 lines and 2 sides of alphanumeric keyboards provides clear images and convenient operation, A global key allows you take measure in any screen.

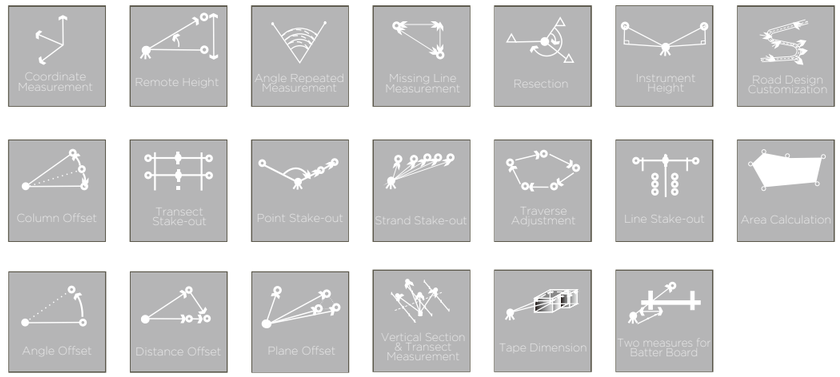




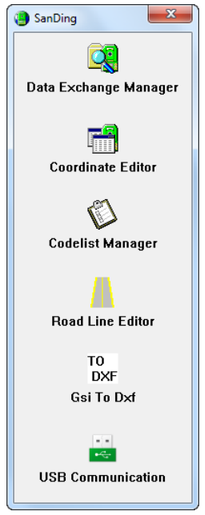
ON-BOARD SOFTWARE & APPLICATIONS

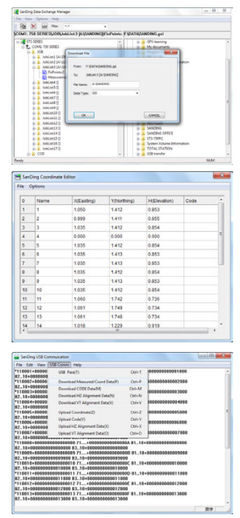
Arc 5 Plus series is powered by a sophiscated on-board software which enables you to manipulate the total station effectively, like setting the compensation, COGO, data viewing and transfer, calibration, etc.

What's more, the on-board software also provides various essential applications on daily surveying job as below.



SOFTWARE: SANDING PC TOOL





Powerful and convenient data transfer and post-processing software with concise and clear interface and user-friendly operation. User can download and upload raw data or coordinates in GSI format, edit coordinates and codes, design and edit road data, transfer GSI data to DXF file for processing in CAD, etc.

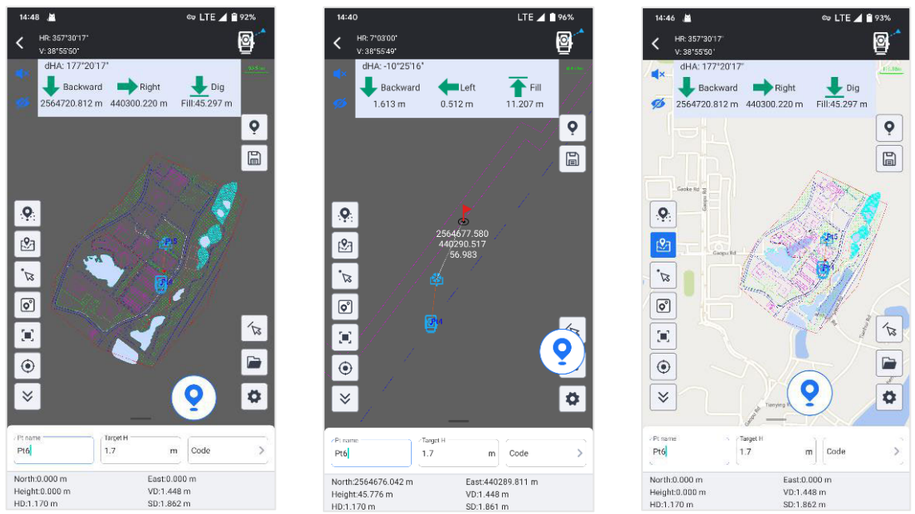
TOTAL STATION

Arc 5 Plus

New 1000m Reflectorless EDM

Total Station Module of ARCsurv App: Four Main Features to Give You More Power & Freedom

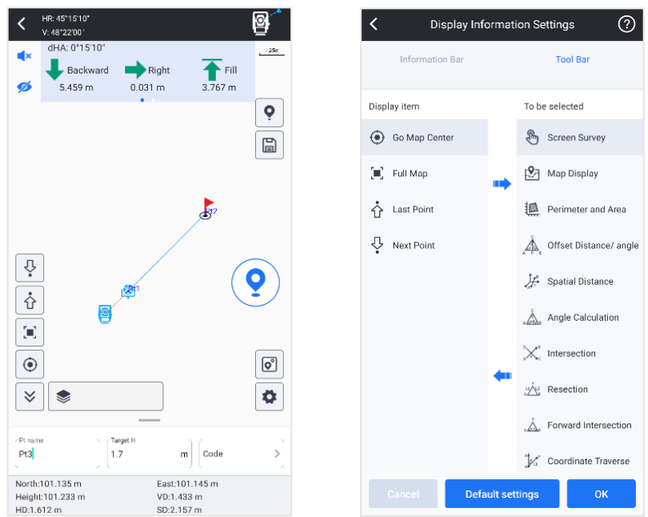
CAD Stakeout: Increasing Productivity & Decreasing Error



CAD Stakeout allows you to import **CAD basemap** and stakeout it, without input point coordinates one by one.

When you need, you can connect to your local online map and overlap it to CAD basemap, to increase the precision of your job.

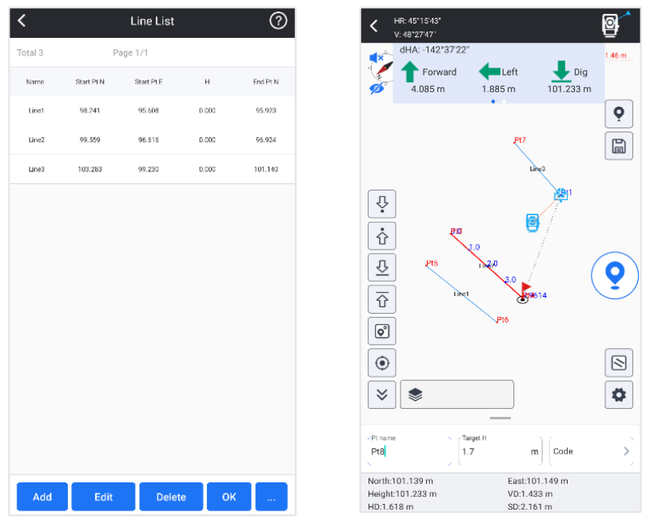
Point Survey & Stakeout: More Ease and Convenience



With graphic display, now it is easy to you to observe the relation between occupied point and target points. It will help you to make less mistakes when measuring many points.

The stakeout program screen displays information more completely, indicates target points more intuitively, your workflow will be smoother than before.

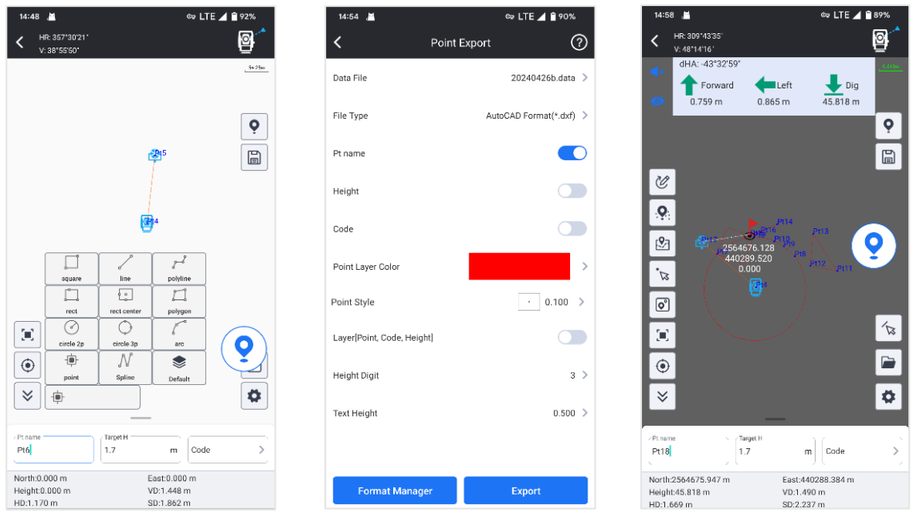
Line Stakeout: Smarter than Traditional Way



User is allowed to manually choose points from library, line will be formed by program automatically. Then user input interval distance, setout points will be calculated out and displayed on screen.

This function is suitable for road or other objective that is containing lines.

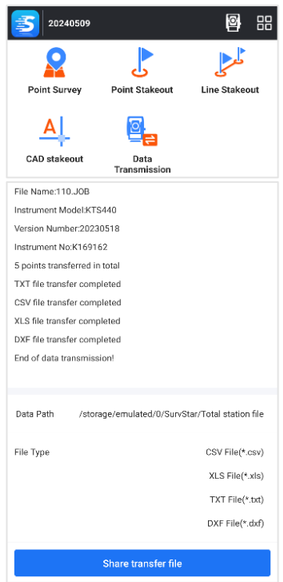
Measure & Draw: Save Time in Both Field work and Indoor Work



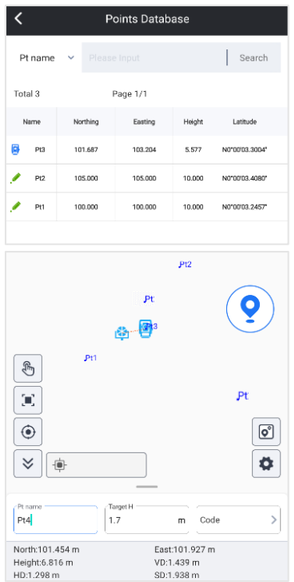
User is allowed to draw line, polygon, circle...up to 11 kinds of graphic, while measuring target points. No need to manually draw draft map anymore.

User is allowed to manage different objectives as different layers. The draft map can be saved and output in CAD format, and to be used in indoor works.

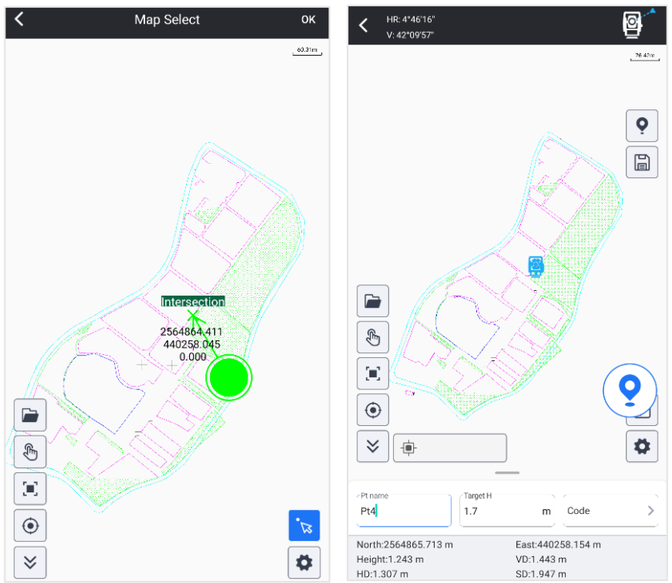
Other Features: More Innovation, No Limitation



Download & Share (.csv, .dxf, .txt, .xls)



Resection



Set Occupied Point from CAD basemap or Graphic Map

Other Modules of ARCsurv App: GNSS, Marine Survey, 3D Laser Scanner...