

1. **AbSolutE PIN dial**

The absolute digital dial allows you to directly measure the device when powered on. of The measured azimuth results are not lost even when the device is closed. off.



2. **P Powerful memory management**

Large EMS memory, easy file system management, additional features, Data deletion and transfer.

3. **No prism distance measurement**

The Total Station series with laser ranging no prisms allows long-term surveying Distances in a variety of materials and colors, fast and accurate measurements Objects (building walls, electric poles, electric wires, cliff walls, mountains, mud, piles, etc.). If it is difficult or impossible to reach, apply Pr me sm. Features can be a great measurement task.

switch Quick between t Prism modes and Non-prism .

4. **S Special measurement procedures**

In addition to basic surveying functions, the Series Total Station also includes

Special measurement procedures, REM implementation, offset measurement, piling, Resection tailored to your needs, area measurement and calculation, road design, etc. Professional measurements.

5. E Yeppee can be changed

The eyepieces of the instruments are interchangeable and are equipped with diagonal eyepieces. Helps to observe zeniths and tall buildings .

6. Optional laser piping

Site features are easy to direct and set up the station.

7. Manufactured language

Total of 5 languages option English, French, Italian, Turkish, Spanish.

8. Backlight

The screen backlight is adjustable, making it easy to work in the dark. There are four backlights: minimum, low, medium and high.

2. Interface

1. function

[Function]	1/3	[Function]	2/3
F1 Level	(1)	F1 Hidden point	(5)
F2 Offset	(2)	F2 Free Coding	(6)
F3 NP/P	(3)	F3 Laser	(7)
F4 HT. Transfer	(4)	F4 Light	(8)
F1	F2	F3	F4

[Function]	3/3	▲
F1 Unit Setting	(9)	
F2 Main Setting	(01)	
F3 EDM Tracking	(02)	
F1	F2	F3

2. Q Survey

I Includes all commonly used measurement functions, Such a thing Angle measurement, distance measurement, coordinate measurement

3. application

1. Survey
2. Stiffness Included Polar pile driving mode, Pile driving mode orthogonal to the station, Cartesian pile driving mode
3. Resection
4. Tie distance Included Polygon , radial
5. area
6. Remote height
7. Kogo Traverse, inverse, Bearings and Bearings intersection, Azimuth distance intersection, Intersection of distance and distance , line-to-line intersection, distance and offset, set point, extension
8. road including road management, Road stance
9. Reference Element - Lefline (Pile driving grid, Measure the line and offset, Orthogonal pile driving, Segment stakes), RefArc (Measure the line and offset),RefSurface

3. specification

Model	PTS-121A
Angle measurement (H V)	
Detection System	Absolute encoder
Minimum display	1"/5"/10" (selectable)
Accuracy	2 inches
telescope	
magnification	30x
Field of view	30 minutes per degree
Minimum shooting distance	1.5m
image	upright
Compensator	
system	Two-axis
range	±3 minutes
Resolution	1 inch
Distance measurement (IR)	
Single prism (good)	4000m
Reflective sheet	1000 meters
Accuracy	2mm2ppm
Time measurement (repeat/tracking)	0.8 seconds/0.3 seconds
Reflectorless distance measurement (RL)	
Range (white plate reflectance 90%)	400m/600m (optional)
Accuracy	3mm2ppm
Measure time	1 second
communication	
Internal memory	20,000 points (maximum 32GB of extended memory)
Interface	RS232, USB, SC card, Bluetooth
Data format	ASCII
Surgery	
Operation System	Real-time operation system
screen	320*240 True Color TFT LCD Screen, Brightness can be adjusted in 3 levels
keyboard	Two-sided alphanumeric backlit crystal keyboard
Laser Plumet	
type	Laser Point, 4 brightness levels adjustable
Accuracy	1mm (Equipment height 1. 1mm for 5m)
environment	
Battery Type	High energy lithium-ion battery
Voltage and Capacity	7.4V 3400mAh
Uptime	18 hours (continuous angle measurements every 30 seconds)
Measure time	About 12,000 times

If you are interested in this product, please feel free to contact us.