

SPECIFICATIONS

GNSS	
Channels	220
GPS	L1 C/A, L2E, L2C, L5, with carrier phase smoothing
GLONASS	L1 C/A, L2 C/A
BDS	B1, B2
Galileo	E1, E5A, E5B, E5AltBOC
QZSS	L1 C/A, L1 SAIF, L2C, L5
SBAS	L1 C/A, L5
Data Output	NMEA-0183, TSIP
I/O Protocol	RTCM, RTCA, CMR
Update Rate	1Hz - 20Hz
Reacquisition	<1s
Cold Start	<30s
Accuracy	
Single point positioning	2m
SBAS	Horizontal: 0.5m      Vertical: 0.85m
DGNSS	Horizontal: 0.25m+1ppm      Vertical: 0.50m+1ppm
Single Baseline RTK(<30 km)	Horizontal: 0.008m+1ppm      Vertical: 0.015m+1ppm
Static	0.003m+1ppm
Communication	
Data Interface	Mini USB2.0 (Ethernet port and OTG)
Bluetooth	Dual mode, Bluetooth V2.1/ Bluetooth V4.0, support EDR
WIFI	802.11 b/g standard
Data Storage	
Memory	8GB SSD internal memory
Static Data Format	STH, Rinex2.x, Rinex3.x
Sampling Rate	1Hz, 2Hz, 5Hz, 10Hz, 20Hz
Electrical	
Battery	6800mAh, Li-ion battery built in, 3.7V
Battery life	Typically 8 hrs or more
Environmental	
Operating temperature	-30℃~+65℃
Storage temperature	-35℃~+75℃
Shockproof	Withstand drop from 1.5m to concrete
Waterproof/Dustproof	Test to IP67 standard
Physical	
Dimensions(mm)	115(L)×115(W)×40(H)
Weight	540g
Remarks	
Measurement accuracy and operation range might vary due to atmospheric conditions, signal multipath, obstructions, observation time, temperature, signal geometry and number of tracked satellites. Specifications subject to change without prior notice.	



Configuration		
1. Charger and adapter	1x	
2. USB cable	1x	
3. Backpack	1x	
4. Case	1x	
5. Instrument holder	1x	



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EZ Locator S680P  
High Precision GIS Data Collection Terminal

- Use smart Apps to operate and configure
- Centimeter level accuracy is achievable
- Compact, light weight, rugged and cable free
- 8-12 hours working without recharging



# EZ Locator: Simplicity is beauty!

## Innovative Technology & Design

KOLIDA R&D team hope to deliver the leading edge positioning technology in an innovative form, so they created EZ.

It is ultra-light, compact and smart. With the 220 channels Trimble BD930 mainboard, EZ can track signals from GPS, GLONASS, BEIDOU, GALILEO, positioning accuracy is down to centimeter level.

EZ is born to break the Boundary. It is a portable GIS data collection terminal, also a rugged network RTK rover, as well as a durable static receiver.

Linux system gives EZ a great working speed and expansibility, a series of new functions become available: wifi hotspot, OTG field download, memory space recycling...

Let's try and enjoy the wonderfulness!



### Small But Powerful

The dimension of EZ Locator is only 115mm x 115mm x 40mm, as small as children's hand. It has no radio module and network module, so the weight is only 540g. Whereas it carries a 6800mAH battery and can work 8 to 12 hours, longer than traditional RTK GPS.



### Easy to Work

Perhaps there is no another receiver in the world simpler than EZ. Only one Power Key, one Reset key, one data port. Nothing to distinguish, impossible to misunderstand. All the measurement functions can be done by Android App, everybody can learn it easily.



### Easy to carry

One of our important designing philosophy is to minimize the memory burden of your brain. So EZ has no redundant accessories. You can use the cable of your smart phone to recharge EZ, or connect PC to set parameters, or download static measurement data. Easy take-away, easy storage, difficult to lose things.

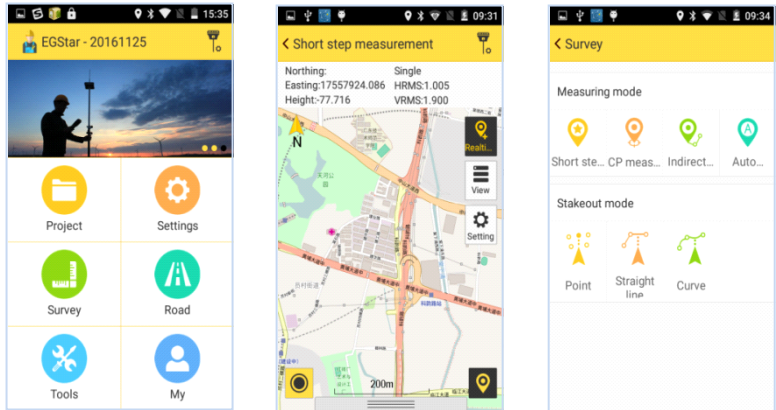


### Spend Less

We hope every cent you have earned will be well spent. If you don't like to pay extra money to buy professional data collector, you can just use your smart phone or tablet as EZ's controller. And you can use phone power bank as backup power source for EZ, to have more working hours in the field.

## Apps Based on Android

### Engineering Star: faithful companion



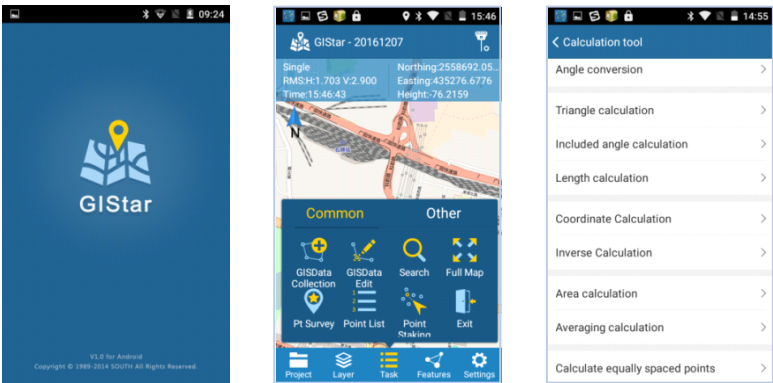
Modern surveyors need field software that is simple but powerful, to get the job done faster with less effort. Engineering Star is exactly the answer!

- Intuitive and streamlined work flow
- abundant measurement and stake-out program
- includes road design and setout module
- support tilt surveying, e-bubble, wifi function
- multi-language menu display

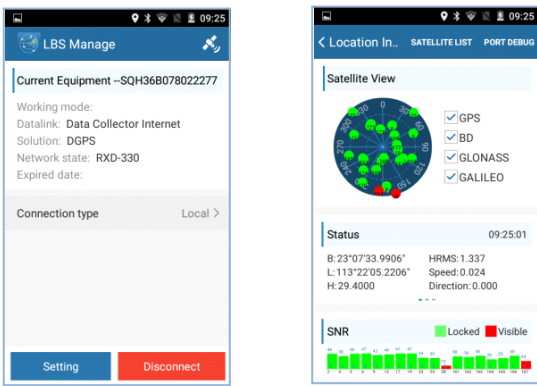
### GISStar: powerful new teammate

GISStar helps GIS expert to collect coordinate and attribute together, make graphics processing, then obtain data result in specific format.

- suitable for both navigation and data collection
- able to load image basemap and SHP, DXF map
- ease-to-use angle/distance/area calculation tool
- user define characteristic library
- export data in SHP, DXF, CASS, KML, GPX format



### LBS: for a fast configuration



LBS Manage is a smart APP to configure/ monitor/ control KOLIDA GNSS receivers by your android devices. Supports S680p, K9mini, K5 and later models.

## Other Features

Multi-Constellation

Linux OS

WIFI

Web UI

8GB SSD Storage

OTG

Bluetooth 4.0

