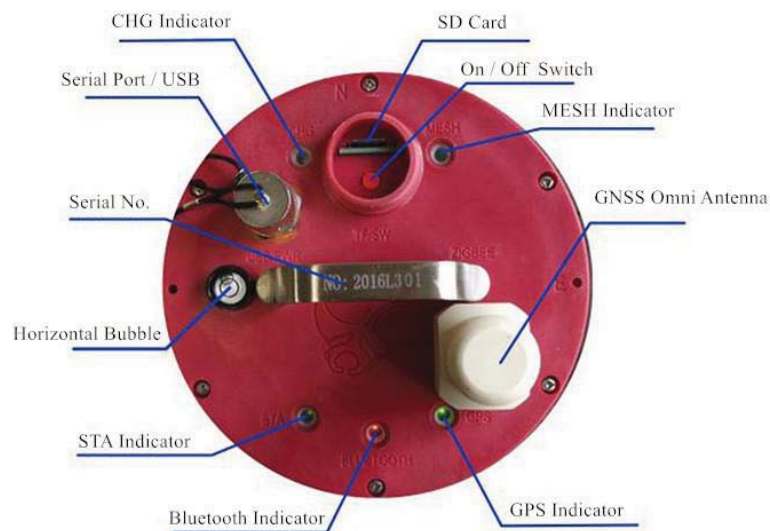


## EPS Portable Digital Seismometer

### **Applications:**

- Traditional seismic exploration, seismic station prediction system.
- Transient multi-point Rayleigh wave exploration.
- Civil engineering inspection.
- Long time micro motion measurement in field.
- Blasting vibration monitoring.



### **Features:**

- Fixed and mobile seismic observation station on land.
- Rugged Structure and portable carrying.
- Waterproof and anti-interference.



## EPS Portable Digital Seismometer

### **Parameters:**

- Outer Size:  $\Phi 140 \times 170$ mm & Net Weight: 3 kgs.
- Case coloring: Yellow, red or other color as per clients' requests.
- Waterproof depth: 1 m.
- Channel Numbers: 3-component velocity geophones.
- Continuous working time: >20 days.
- Geophone frequency bandwidth: From 0.2hz to 200hz.
- Dynamic range: > 120 dB.
- Inter-channel amplitude consistency: < 5%.
- Phase difference between channels: < 0.1ms.
- Inter-channel crosstalk suppression: > 100db.
- Lateral vibration suppression: better than 0.1%.
- Self-noise level: 1). The whole frequency band is lower than NHNM curve. 2). 5s to 1Hz is lower than NLNM curve.
- Power consumption: 0.2w;
- External power supply: 5V to 12V, rechargeable.
- Sampling rate: 1000,500,250,100 and 50 sps.
- Embedded high-precision clock: OCXO, 0.5 PPM@4°C, real-time high-precision timing throughout the whole process.
- Self-storage capacity: 32 GB (expandable to 64 GB).
- Data format: Miniseed (which can be converted to SAC, SEGY and etc.).
- Mode setting: Bluetooth, USB and RS232 serial port.
- Seismic data transmission: USB2.0 standard.

### **Functions optional:**

- Wireless standard: 2G, 3G, 4G, bluetooth, WIFI, ZIGBEE and wireless bridge are optional.
- Remote and inter-station communication: 2G, 3G, 4G, public network, ZIGBEE, wireless bridge and private network are optional.
- On-site PDA control mode: WIFI Bluetooth.
- ID Reading for No Pile Operation: RFID.