



## SeisProbe-3C

High Resolution Imaging High Precision Positioning Nodal Seismograph

### Application Area

Real-time Imaging Of Background Noise Dense Array

Real-time Monitoring Station For Natural Earthquake Movement

Real-time Monitoring And Imaging Of Oil&Gas Pressure Fracture

Long-term Real-Time Monitoring Of Microseismicity

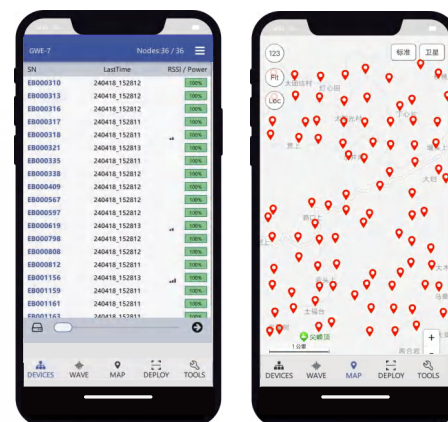
Real-time Monitoring And Early Warning Of Geological Hazards

Scientific Research of Natural And Active Source Earthquakes

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## Probe SeisProbe-3C

The SeisProbe-3C is a new revolutionary integrated three-components high-precision nodal seismograph launched by Hefei Guowei Electronics Co., Ltd.



Smaller Size  
Lighter Weight  
Integrated Design



4G/5G, WIFI Or Bluetooth  
Real-Time Data Transmission



Anti-Theft Alarm



Ultra Low Power Consumption  
Support Remote Sleep/Wake-Up



Low Frequency Up To 5s  
Higher Sensitivity



32-Bit ADC Higher Resolution



Viewing Seismic Data  
Through Mobile Terminals  
Achieving Remote Control



Support 35 Days Collection  
In Normal Mode



Support External Battery



Supports GPS, Beidou,  
Glonass, Galileo

## TECHNICAL PARAMETER

### Sensor Parameter:

Natural Frequency	5Hz
Sensitivity	160V/m/s, 180V/m/s, 190 V/m/s optional

### Physical Parameter:

Size	Φ98 × H168 mm (without cone)
Weight	< 1.6 kg (without cone)
Waterproof	IP68
Operation Temperature	-40~70°C

### Electronics Parameter:

Channels	3-Channels (built-in three-component sensor)
Synchronization Accuracy	≤1 μs (After GPS signal lock)
AD Converter	32Bit ADC
Preamplifier Gain	0, 6, 12, 18, 24, 30, 36dB
Sampling Interval	20, 10, 5, 4, 2, 1, 0.5, 0.25ms
Maximum Input	5 V
Dynamic Range	145 dB
Noise Level	0.11μV RMS (1ms Sampling Interval, 36dB Preamplifier Gain)
Common-mode Rejection	< -110dB (1ms Sampling Interval, 0dB Preamplifier Gain)
Harmonic Distortion	< -122dB (1ms Sampling Interval, 0dB Preamplifier Gain)
Bandwidth	0.5~200Hz
Charging Time	< 4h

Battery Life@25°C

- ① Normal collection mode more than 35 days
- ② 4G real-time transmission mode for more than 4 days(4ms sampling interval)
- ③ Data transmission every 240 seconds for more than 8 days (4ms sampling interval)





## ACCESSORY



Portable Charging Data  
Download Box



Modular Charging Data  
Download Cabinet

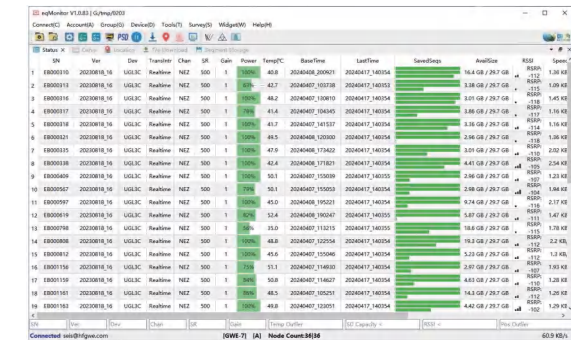
### Charging and Data Download Box :

Number of Channels	8 Channels (Charging and data download at same time)
Weight	5.85 kg
Size	610mm×440mm×250mm
Data Transmission Interface	USB 3.0
Charging Current	Single Channel Max 3.5A, 8 Channels Max 29A
Input Power	220V/110V AC, Max Current 3A, Max Power 700W

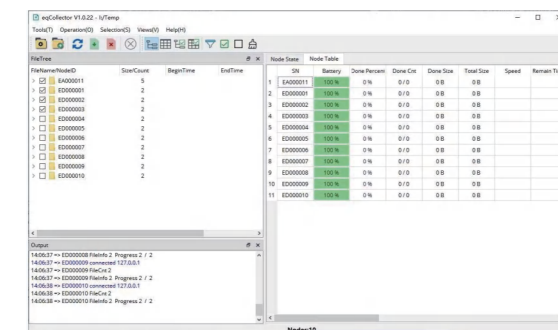
### Charging and Data Download Cabinet :

Number of Channels	45 Channels (Charging and data download at same time)
Weight	19 kg ×3
Size	820mm×400mm×1630mm
Data Transmission Interface	USB 3.0
Charging Current	Single Channel Max 3.5A, 45 Channels Max 157.5A
Input Power	220V/110V AC, Max Current 13A, Max Power 2860W

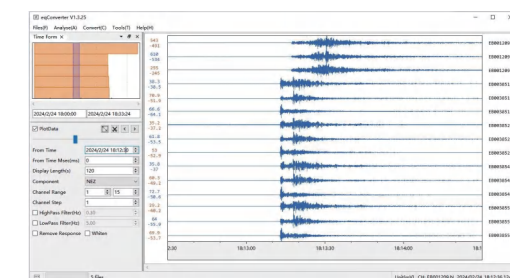
## SOFTWARE



4G Real-time Monitoring, Data Download,  
Passive Source Real-time Imaging Software



Charging Box/Cabinet Data  
Download Software



Data Cutting&Conversion Software

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