**Technical Specifications of Strong Motion instruments Accelerometers**

1. Three sensor channels with an internal EpiSensor triaxial deck , scale range 1g , 2g , 4g

2. 24-bit Delta converter, one per channel

3. Built-in GPS/GNSS and PTP timing with GPS high quality (length of cable 5 M at least)

4. Record and communicate multiple sample rates

5. Data offloaded automatically to removable thumb drive Connected to the USB host port. Parallel recording (mirroring) Data on an external USB thumb drive

6. Support threshold trigger algorithm and STA/LTA trigger algorithm

7.State-of-health monitoring, including input and system Voltages, internal temperature, communication link diagnostics,

8. Internal storage at least 30 GB

9: IP Security through SSH and SSL

10. Reverse voltage protection, self-resettable fuses and over/under voltage

11. System Status LEDs.

12. Ethernet interface: Real Time Telemetry (Multiple destinations TCP/IP web server for parameter setup, event retrieval via FTP/SFTP; supports Contact (POC) name service. Modem: External, cellular or POTS, connected via the USB 2.0 Host

13. Consult factory for details. Protocols: Real-time data streaming via compatible server or via public SEED Link and Earthworm protocols.

14. State-Of-Health: Input voltage, Time synchronization internal temperature.

15. Data visualization: Waveform Viewer for continuous waveform display and File Viewer for triggered event display.

16. Consumption: less than four W operational

17. Input Voltage: 12 VDC or 24 VDC

18. Mounting central bolt, three adjustable feet with bubble level

19. Temperature range: -10° to 60°C operational

20. Humidity: 0-100% RH (non-condensing)

21. Enclosure rating: IP67