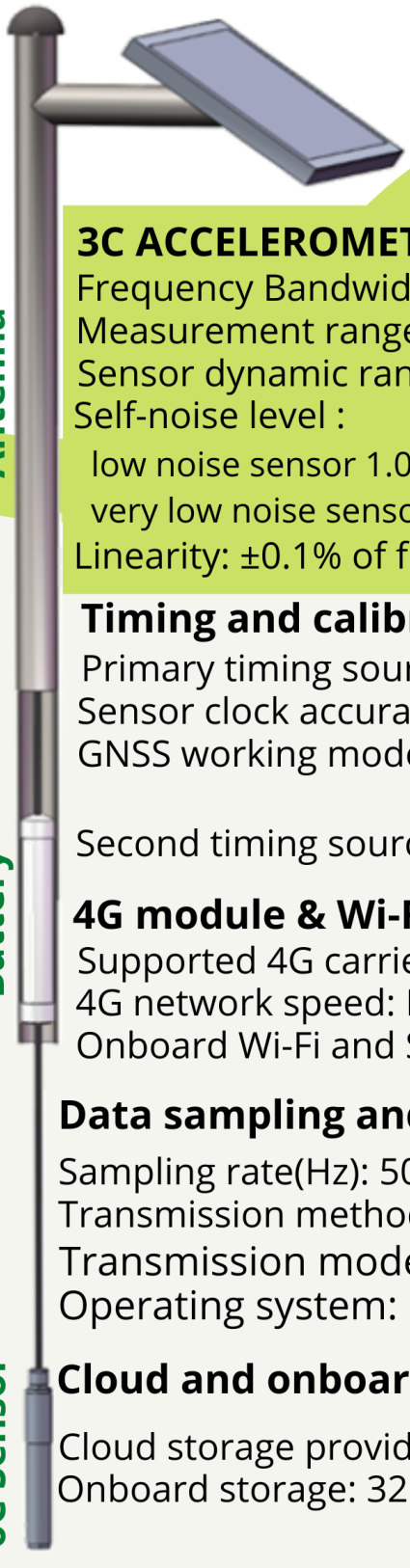
SensorEra

SeismicityAlert®



6C MOTION SENSOR + 3C MAGNETOMETER

3C ACCELEROMETER

Frequency Bandwidth: DC-4kHz
Measurement range: ±2g
Sensor dynamic range: >130dB
Self-noise level :
low noise sensor 1.0μg/√Hz
very low noise sensor 0.3μg/√Hz
Linearity: ±0.1% of full scale

3C GYROSCOPE

Frequency Bandwidth: DC-4kHz
Measurement range: ±15o/s
Sensor dynamic range: >130dB
Self-noise level: 5μrad/√Hz

Timing and calibration

Primary timing source: GNSS (GPS, GLONASS, GALILEO)
Sensor clock accuracy: <0.5ms
GNSS working mode: Wakeup every 5 minutes for sensor internal clock calibration
Second timing source: NTP (network time protocol)

4G module & Wi-Fi

Supported 4G carriers: Verizon/T-Mobile/AT&T
4G network speed: Max 150Mbps downlink Max 50Mbps uplink
Onboard Wi-Fi and Starlink compatible

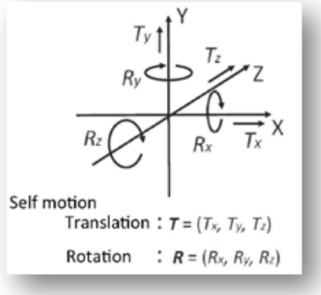
Data sampling and transmission

Sampling rate(Hz): 50/100/250/500/1000/2000
Transmission method: Ethernet/WiFi/4G
Transmission mode: Triggered/Continuous/Intermittent
Operating system: Embedded Linux

Cloud and onboard data storage

Cloud storage provider: AWS
Onboard storage: 32GB eMMC flash memory

6 degrees of freedom measured by SeismicityAlert



For more information, please contact
info@sensorera.tech