NuSeis™ NRU ES 4™

Seismic Data Channel
4C

ADC Resolution
24 bit Delta Sigma

Sample Interval
0.5ms, 1ms, 2ms, 4ms

Preamplifier Gain
Programmable 0dB to 42dB in 6dB steps

Low Cut Filter
None

Anti-alias Filter
- 206.5Hz @2ms, 413 Hz @1ms
- Linear Phase or Minimum Phase

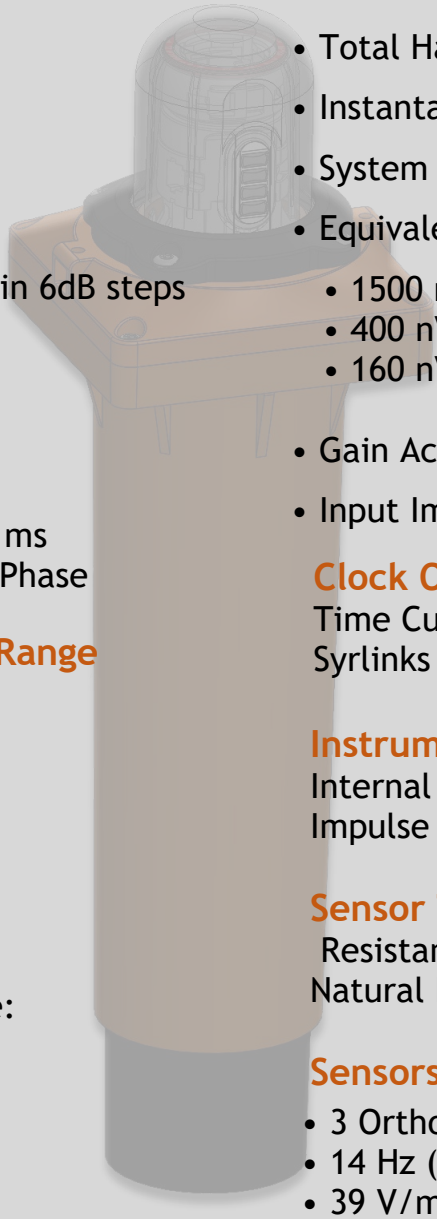
Operating Temperature Range
-10° C to +75° C

Operational Autonomy
- 1320 Hours
  (55 days)

Weight
1.8 Kgs
W/Sensor Package & Tackle:
16.8kgs

Dimensions
367 mm x 98 mm x 98mm

Battery
- 22.4 Ah 3-Series Li-Ion (242 Wh)
- Charge Temperature Range: 0° C ~ +45° C
- Cycle Life: > 300 cycles to 70%



Acquisition Channel
@2ms sample interval, 25°C, 31.25 Hz

- Maximum input signal: 1768 mVrms @0dB
- Total Harmonic Distortion: 0.0001% @31.25Hz
- Instantaneous Dynamic Range: 127dB @2ms
- System Dynamic Range: 148dB
- Equivalent Input Noise:
  - 1500 nV @0dB
  - 400 nV @12dB
  - 160 nV @24dB
- Gain Accuracy: 0.25% unit to unit
- Input Impedance: 100k Ohm

Clock Options
Time Cubic - Q100Z
Syrlinks - OCXO

Instrument Test
Internal Noise, Total Harmonic Distortion, Impulse Response

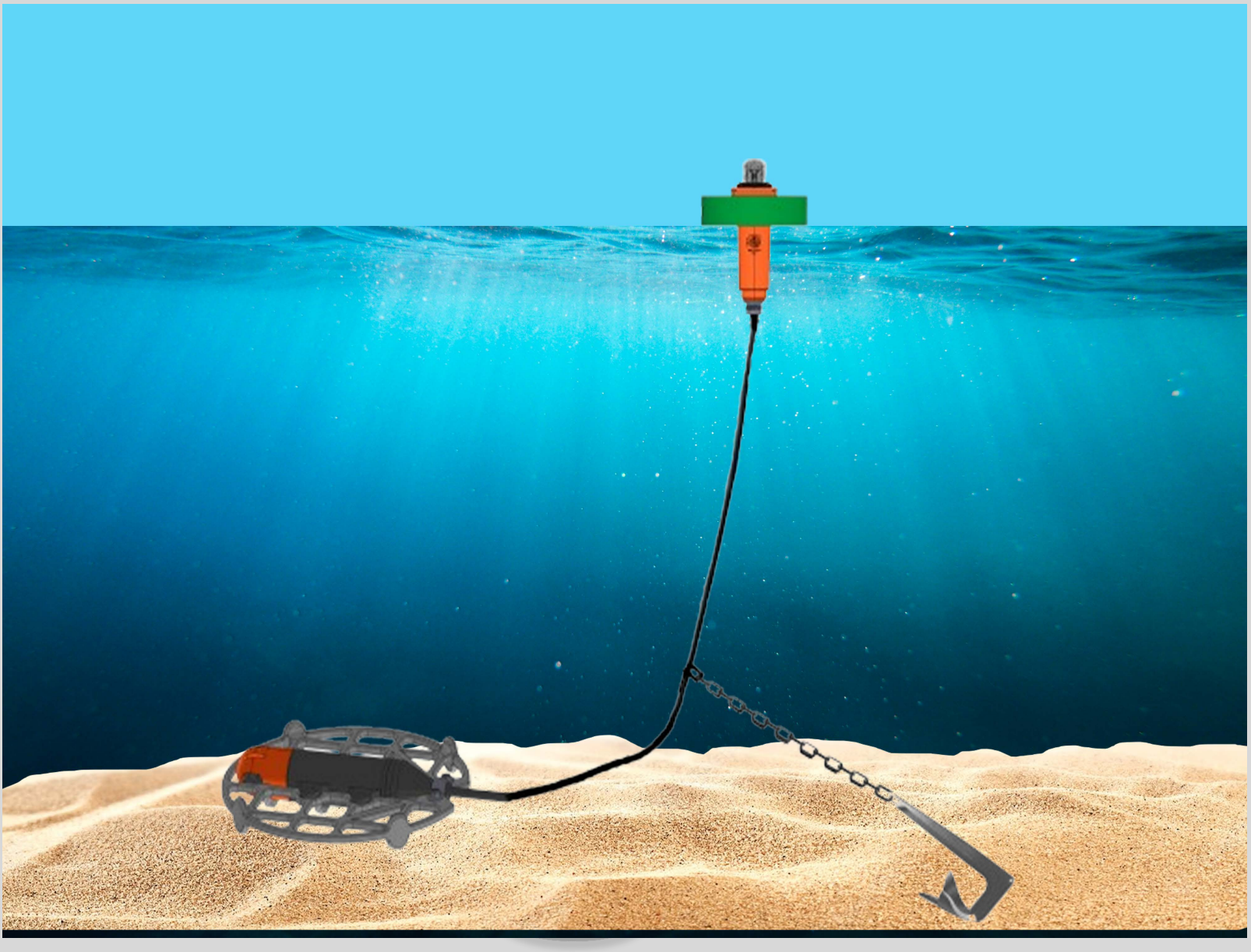
Sensor Test
Resistance, Impedance, Noise, Damping Natural Frequency

Sensors (External)
- 3 Orthogonal Geophones, 1 Hydrophone
- 14 Hz (-7%/+13%) / 10 Hz (+/-10%)
- 39 V/m/s +/ (- 14%/+6%)/14 V/bar (+/-15%)
- Other geophones available upon request

Memory
64 GB Standard

Learn More at www.geophysicaltechnology.com

NuSeis™ NRU ES 4™ Deployment



Learn More at www.geophysicaltechnology.com

Geophysical Technology, Inc. GTI