NuSeis™ NRU OB4C™

Seismic Data Channel
4C

ADC Resolution
24 bit Delta Sigma

Sample Interval
0.5ms, 0.25ms, 1ms, 2ms, 4ms

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

Low Cut Filter
None

Anti-alias Filter

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

Operating Temperature Range
-10˚C to +45˚C

Operational Autonomy
125 Days @ 24 Hrs/day

Weight
11.85Kg

Dimensions
430 mm x 300 mm
110 – Thickness

Max Depth
350 m

Battery

- 55.8 Ah 3-Series Li-ion (602Wh)
- 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

Orientation Sensor
3 Dimensional -Integrated Magnetometer and MEMS for sensor orientation.

Clock Options

- OCXO
- Atomic

Instrument Test
Internal Noise, Total Harmonic Distortion, Impulse Response

Sensor Test
Resistance, Impedance, Noise, Damping Natural Frequency

Sensors (Internal)

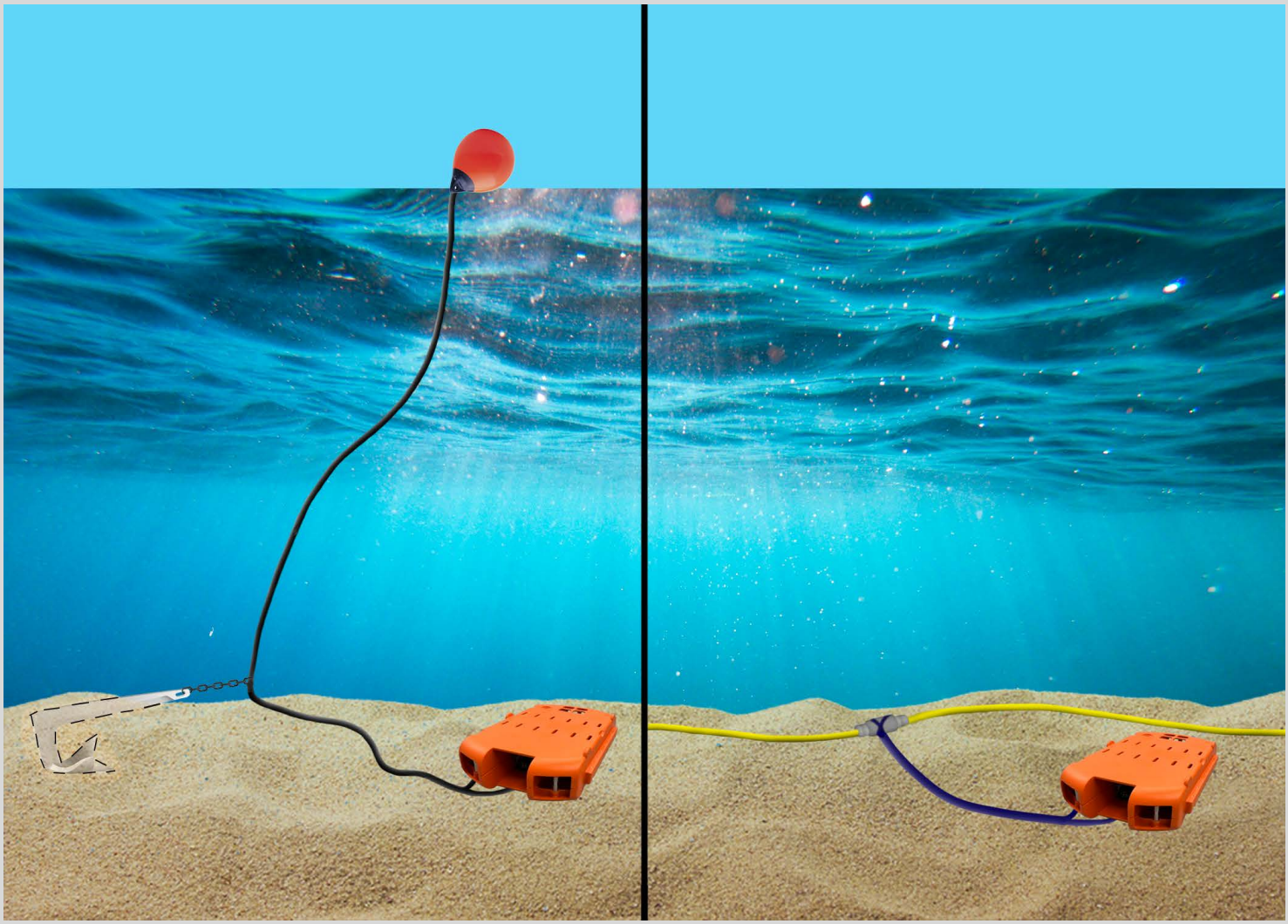
- 3 Orthogonal Geophones, 1 Acoustic +Hydrophone
- 14 Hz / 2 Hz
- 39 V/m/s / 4V/bar
- Other geophones available upon request

Memory
64 GB or 128 GB

Learn More at www.geophysicaltechnology.com

Geophysical Technology, Inc. GTI

NuSeis™ NRU OB4C™ Deployment



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