

VIKING Buoy Specification Sheet



Instruments Measurement

Conductivity and temperature
Oceanographic pH (Option)
Biogeochemical
Acoustic doppler current profiler (ACDP)
Radiometer
Fluorometer
Water salinity, water temperature and O²
Wavemeter (Wave high and period)
Global Positioning
Weather (Temperature, wind, humidity, rain, atmospheric pressure)
Wind
Light
Oceanographic pCO² (Option)
Radar Reflector



Automatic CTD profiler: Multi-electronique Miniwinch

- SS316 & plastic design
- 200 meter cable maximum
- Fully automated
- Manual operation thought Buoy controller loop back
- Use a modified SBE49 CTD
- Data load to temporary internal memory
- 12 VDC up to 150 watts
- ≈25 cm/s speed

Communication

	Operating range	Operating fee	Link throughput
Satellite	Worldwide	Required paid services (IRIDIUM)	4.8 kbps max
Cellular modem	Local	Required paid services	50 mb/s

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Dimension

General

Wetter section: SS316 & Titanium

Air section: Paint Aluminum

Floater: Medium density UV-stabilized virgin polyethylene

Operating temperature:

Water: -2 °C to 35 °C (28 °F to 95 °F)

Air: -10 °C to 50 °C (14 °F to 122 °F)

Superior tower foldable

4x leg support

2x handle to lift

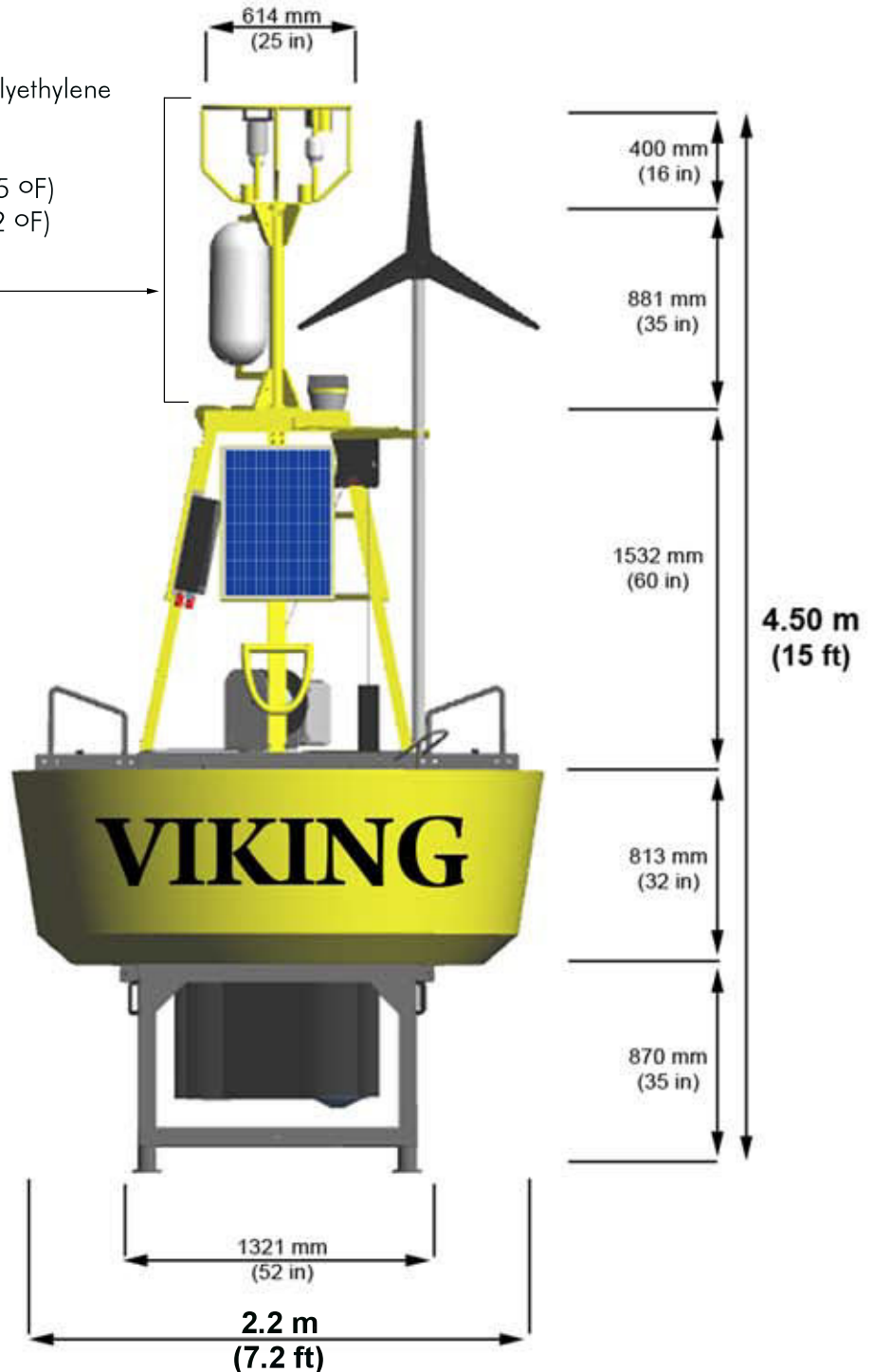
5x instrument well: Polyethylene

Chlore dispenser in well

Security

Radar Reflector

Solar LED Marine lantern



Total Weight

≈ 1200 Kg
(2600 lbs)