BRIZO
Directional GNSS Wave Height Sensor

BRIZO

Data Outputs

Wave Statistics: Max Wave Height, Significant Wave Height, Average Wave Height, Peak Period, Mean Wave Direction, Mean Spread
These are frequently used wave stats but not a complete list.

Wave Spectra: Directional wave spectra (energy & Fourier coefficients vs frequency) with 32, 64, 128 bins

Data Output Rate: fully configurable

Electrical

Input Voltage: 9-27 VDC

0.75W - 1.3W Setting Dependent

Operating temperature: -40°C to +60°C (standard)

Supports a wide range of GNSS and Choke Ring External Antennas

GNSS

Supports GPS, GLONASS

Dual Frequency, L1/L2 (optional L5)

136 Channels

Accuracy

Better than 1%, Better than 1%, 3°

Communications (Internal Options)

Iridium 9523 (RUDICS and SBD)

Cellular (GPRS, CDMA, HSPA+, LTE, SMS)

XBee-PRO 900HP, 24dBm/250mW Tx Power/Mesh Network

Communications (Standard)

Serial – 2 x RS-232/485 with h/w flow control

SDI-12

USB – Full speed USB configuration/diagnostic Port

Sampling

Sampling Frequency: 2Hz

Measurable Wave Period Range: 0.64Hz (1.56 seconds) to 0.030Hz (33.33 seconds), optional RTK configuration increases frequency range to 24hr. (DL)

Duration, Sample Interval & Averaging Periods: Configurable

Data Storage

Storage: 2x 4GB microSD card, optional remote communication modules

Xeos Beacons™

All Xeos products are fully backed by a comprehensive warranty and excellent support. To arrange a demo or learn more about our products, please call or email our sales team.

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