

BRIZO-X

Directional GNSS Wave Height Sensor

WITH INTEGRATED TELEMETRY OPTIONS

Need to add a wave sensor to your equipment?

Measure, record, and transmit directional wave coefficients & spectra.

KEY FEATURES

Measure Both Wave Height & Direction

Wave Motion Sensor using GPS and GLONASS, L1 & L2 Signals

Integral GNSS Antenna for ease of deployment

EasyGO Deployment: Activate, Mount, Power

Fully Weather and Waterproof Enclosure, for the most rugged environments

Internal Logger

OPTIONAL TELEMETRY

Iridium SBD Module + Integral Antenna for unlimited range & ocean-wide coverage



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TECHNICAL SPECIFICATIONS*

BRIZO-X



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)

GNSS

Supports GPS, GLONASS

Dual Frequency, L1/L2 Embedded Antenna

400+ Channels

Accuracy

Better than 1%, Better than 1%, 3°

Telemetry Options

Iridium (SBD)

Communications

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

SDI-12 -Optional

CanBus - Optional

Sampling

Sampling Frequency: 2Hz

Measurable Wave Period Range: 0.64Hz (1.56 seconds) to 0.030 Hz (33.33 seconds)

Mechanical

Dimensions: 7 in diameter, 2.13 in height

Mass: Option Dependent (~1.1kg)

Materials: Acetyl, Stainless Steel

Data Storage

Storage: 1x 4GB SLC microSD card, optional remote communication modules

**Specifications subject to change without notice*



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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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