

Water pressure principle wave height meter

INFINITY-WH

AWH-USB/
CAR/CAD



Easy wave height measurements



- High sampling rate (up to 10Hz)
- Robust design
- Digital output version available
- Tidal analysis software available (optional)



JFE Advantech Co., Ltd.

INFINITY-WH

AWH-USB/CAR/CAD

■ Description

INFINITY-WH is capable of 0.1 s sampling, allowing you to observe a variety of wave heights, from short to long period waves. With 20 min measurements per one-hour burst (12,000 samples with 0.1 s intervals), the instrument makes one-month long continuous measurements possible.

Two versions of the INFINITY-WH are available. AWH-USB, the autonomous deployable data logger version that comes with internal battery and memory (miniSD card), and the other, AWH-CAR/CAD, the digital output version (CAR: RS-232C, CAD: RS-485).

■ Sensor Specifications

Parameter	Pressure (depth)
Principle	Semiconductor
Range	0 to 25m
Resolution	0.0005m
Accuracy	±0.14%FS

■ Logger Specifications

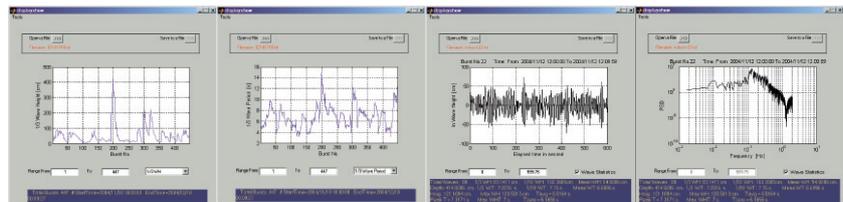
Memory medium	miniSD card *waterproof & high speed type
Data capacity	1GB provided as standard
AD converter	16 bit digital conversion
Measuring mode	Continuous mode, Burst mode
Measuring interval	0.1 to 1.0 s (0.1 s increment), 1 to 600 s (1 s increment)
Burst sampling interval	1 to 1,440 min (1 min increment)
No. of samples	1 to 18,000
Battery	CR-V3 lithium / 3.3Ah (four maximum)
Communication	USB 2.0 (ver. 1.1 compatible)
Current consumption	30mA
Housing material	Titanium (grade 2)
Dimensions	Φ70mm×215mm
Weight	Approx. 1.2kg in air, 0.6kg in water
Depth rating	25m depth equivalent

*Must be deployed within the depth of 25m. Set up the number of samples, allowing you to measure 100 waves with a shorter sampling interval than 1/10 of the observed wave period.

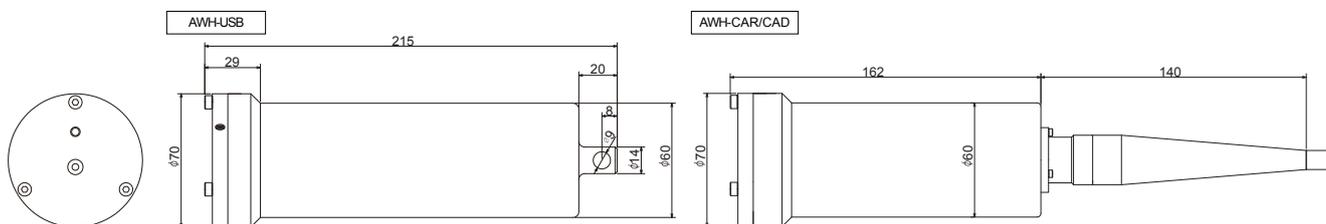
■ Wave data processing software (optional)

Key features:

- Wave height: 1/3, 1/10, average, maximum
- Wave period: 1/3, 1/10, average, maximum
- Wave spectrum



■ Drawing



※ Dimensions are in mm. ※ All specifications on this leaflet are subject to change without notice.

 **JFE Advantech Co., Ltd.**

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