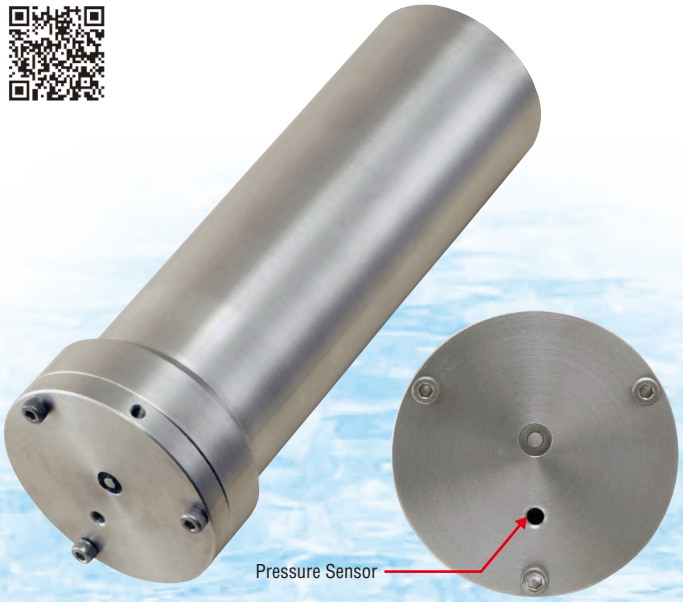
JFE Advantech Co., Ltd.

Water Pressure Principle Wave Height Meter

INFINITY-WH

P WH

AWH-USB



Overview

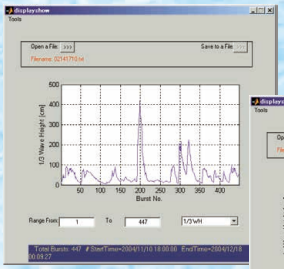
With a large-capacity storage medium, 0.1-second sampling is now possible, enabling wave height observation from short to long periods. Twenty-minute measurement in a 1-hour burst allows for continuous observation for one month (with 12,000 samples).

Sensor Specifications

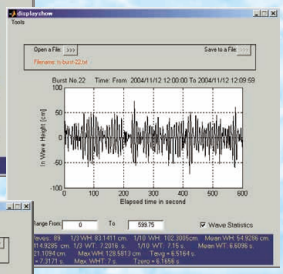
Parameter	Pressure
Sensor Type	Semiconductor Pressure
Range	0 to 25 m
Resolution	0.001 m
Accuracy	Non-linearity ±0.14% FS, Repeatability ±0.2% FS

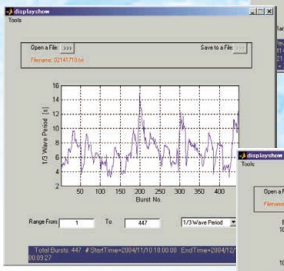
Pressure Sensor Wave Analysis Software (Optional)

■ 1/3, 1/10, Maximum, and Average Wave Height Calculation

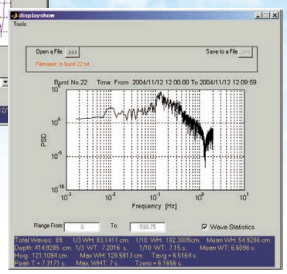


■ Calculation for Each Burst





■ 1/3, 1/10, Maximum, and Average Wave Period Calculation



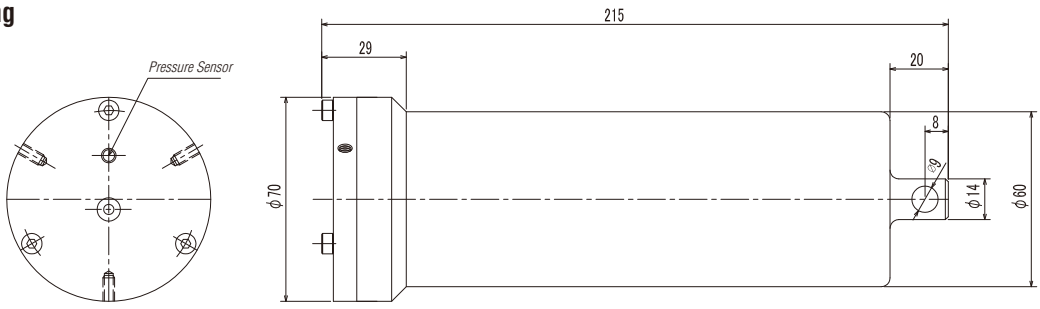
■ Spectral Calculation

Logger Specifications

Memory Type	microSD card (waterproof high-speed spec)
Memory Capacity	1GB
Mode	Continuous Mode / Burst Mode
Interval	0.1 to 600 sec
Burst	1 to 1,440 min
Number of Samples	1 to 18,000
Battery	CR-V3 Lithium Battery / 3.3 Ah (Up to 4) AA Alkaline Battery (Up to 8) - Requires AA adapter kit AA Lithium Battery (Up to 8) - Requires AA adapter kit
Communication Method	USB Communication (Compliant with Ver. 2.0, Equivalent to Ver. 1.1)
Housing Material	Titanium Grade 2
Dimensions	ϕ70 mm × 215 mm
Weight	Approx. 1.2 kg in air / 0.6 kg in water
Pressure Resistance	Equivalent to 25 m depth

*Please ensure installation at a depth of 25 meters or deeper. Set the number of samples so that the interval is less than 1/10 of the wave period of the measurement target and 100 waves can be measured.

Drawing



E-mail: ocean-overseas@jfe-advantech.co.jp