

## 水下噪音計 Seagnals 智聲

| 海洋環境 | 船艦噪音 | 打樁噪音 |

### Seagnals & Auspect

Hardware

Software

全球首創水下噪音計同時具備三種操作類型

The world's first: an underwater noise meter has 3 use modes.

須搭配軟體Auspect RC Module執行各種設定與操作  
Requires the Auspect RC Module software  
to perform various settings and operations.

#### 串流模式 Stream Mode

聲波及聲紋辨識

Sound wave and acoustic signature identification

#### 指標模式 Index Mode

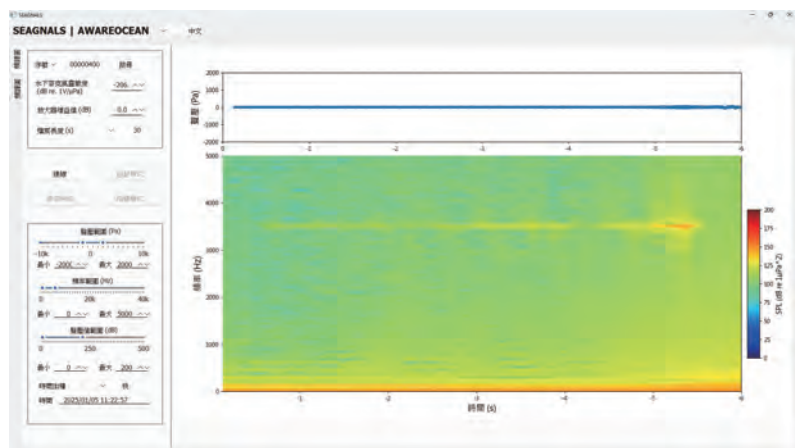
頻譜及聲壓計算

Spectrum and sound pressure calculation

#### 自記模式 Logger Mode

音檔及參數紀錄

Audio file and parameter records



## 規格表 Data Sheet



Depth Rating 500 m  
Weight in Air 12 kg  
Length 1,100 mm  
Diameter 110 mm

- > 水下麥克風 Hydrophone
  - Sensitivity -206 dB re. 1V/uPa
  - Fre. Response 1 Hz ~ 100 kHz ( $\pm 2$  dB)
  - Directivity  $\pm 0.2$  dB (Hor@20 kHz)
- > 訊號放大器 Signal Amplifier
  - Gain Level 0/20/26/50 dB
- > 資料擷取器 Data Acquisition
  - Sampling Rate 48 ~ 192 kHz
  - Data Depth 16/24 bit
- > 音訊格式 Audio Format
  - PCM-WAV Lossless
  - CSV ASCII
- > 電源電力 Battery and Power
  - Lithium Bat. 1.5+ kWh @ 48 VDC
  - Cable Power 300+ W @ 24 VDC
- > 通訊模組 Communication
  - Wireless Wi-Fi 5/6
  - LAN Cat5e/Cat6

## 自記型 Self-record Type



長期監測連續40天以上  
Long-term monitoring for more than 40 consecutive days.  
• 錨碇設計符合ISO 18406  
Mooring design complies with ISO 18406.

## 電纜型 Cabled Type



長期且即時監測  
Long-term and real-time monitoring.  
水下麥克風陣列式設計  
Hydrophone array design.

## 浮標型 Buoy Type



即時傳輸監測數據  
Instant transmission of monitoring data.  
監控距離<1,000公尺  
Monitoring distance <1,000 meters.

## 客製方案 Customized Supply

客製水下麥克風組裝、聲壓測量範圍調整

Custom hydrophones assembly and sound pressure levels adjustment

客製整合其他海洋感測器、攝影機、聲納等設備

Customized integration of other ocean sensors, cameras, sonar and other equipment.