

# 4채널 발파 진동/소음 측정기 SV2



## Feature & Application

### Features

- ◆ Blast / Environmental Vibration & Noise Measurement
- ◆ Vibration Measurement by JIS C 1510 (dBV)
- ◆ Vibration Measurement by DIN4150
- ◆ Simultaneously 3-Axis Vibration & Sound Level Display
- ◆ Simultaneously Multi-Processing & Display
- ◆ Vibration & Sound measurement by Vibration Trigger Level
- ◆ CDMA or WiFi Communication with PC Software

### Applications

- |                          |                                 |
|--------------------------|---------------------------------|
| ◆ Blast Monitoring       | ◆ Pile Driving                  |
| ◆ Construction Field     | ◆ Bridge Monitoring             |
| ◆ Power Plant Monitoring | ◆ Building Vibration Monitoring |

## Specification

### Main

Operating System	Embedded Linux	Communication	Serial, Wi-Fi, CDMA
CPU	BCM2837 (1.2 GHz)	USB Interface	1 Host, 1 Device
LCD	3.5" TFT-LCD + TSP	Power	19 V 3 A
Flash Memory	16 GB	International Protection	IP 54
System Memory	1 GB	Operating Temperature	-20 °C ~ +50 °C
External Memory Slot	SD / MMC Slot	Humidity	5 % ~ 95 % Non-condensing

### Data Acquisition

DSP	ARM Cortex-M7
A / D Converter	24 bit
Input Channel	4 channel (3 ch for vibration and 1 ch for sound)
Sensor Type	IEPE, MEMS
Sampling Frequency	Vibration : 1024 Hz / Sound : 8000 Hz
Input Range	± 5 V (peak) or ± 2.5 V (peak) or
Dynamic Range	Vibration : 37 ~ 146 dB (± 2 g Full Scale), 46 ~ 156 dB (± 6 g Full Scale) Sound : 35 ~ 130 dB (50 mV/Pa)
Frequency Range	Vibration : 0.5 ~ 80 Hz (3dB) / Sound : 0.5 ~ 8000 Hz (3 dB)
Signal to Noise Ratio	More than 100 dB

### Company Specialized in Sound/Vibration

**SV Corporation**

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