

4CH Blast Vibration/Sound Analyzer 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
- ◆ Construction Field
- ◆ Power Plant Monitoring
- ◆ Pile Driving
- ◆ Bridge 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 : 16,000 Hz
Input Range	± 5 V (peak) or ± 2.5 V (peak)
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 ~ 500 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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