



# VSSII

## Vibration Sensing System



## Specifications

Measured type	Three-axis acceleration, Leveling angle, Humidity, Temperature <sup>(1)</sup>	Size	Diameter 300mm/ 200mm Thickness 4mm ( $\pm 0.2$ mm)	
Sampling rate (S/s)	125, 250, 500, 1000	Weight	242g	
Range	Acceleration (g)	$\pm 2$ , $\pm 4$ , $\pm 8$	Processing function	YT, Spectrum, Statistics, Angle analysis, Sum vector, Vibration displacement, Event detection
	Pitch( $^{\circ}$ )	$\pm 45^{\circ}$	Mode	Continuous
	Roll( $^{\circ}$ )	$\pm 45^{\circ}$	Data storage	Computer(by Bluetooth)
Resolution	Acceleration (20-bit)	4 $\mu$ g @ 2g range 8 $\mu$ g @ 4g range 16 $\mu$ g @ 8g range	Filter function	Low pass, High pass, Band pass, Band stop
	Pitch( $^{\circ}$ )	0.005 $^{\circ}$	Spectrum analysis	FFT, Power Spectrum, Power Spectrum density
	Roll ( $^{\circ}$ )	0.005 $^{\circ}$		
Temperature	0 $^{\circ}$ C~60 $^{\circ}$ C ( $\pm 0.3^{\circ}$ C)	Statistics	Max, Min, RMS, Mean, P-P	
Humidity	0%~100% RH ( $\pm 2\%$ @20%~80%)	FFT Average	RMS, Peak hold, None	
Interface	Bluetooth	Data replay	Forward, backward, play	
Power	Battery built-in	Data output	CSV / Excel Format	
Available time	>4hrs	Language	English	

(1) : Sampling rate of temperature and humidity:1 S/s

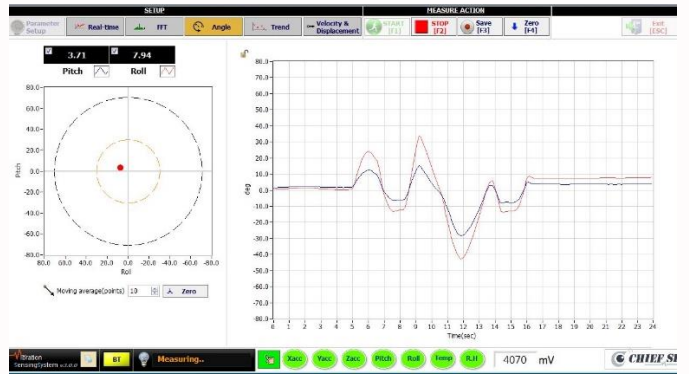
# System feature

- ✓ Wireless measurement, continuous recording up to 4 hours.
- ✓ Built-in sensor, it can measure three-axis acceleration, leveling angle, temperature and humidity.
- ✓ Software for spectrum analysis, angle analysis, trend analysis.
- ✓ Application: AGV (Automated Guided Vehicle), FOUN, Wafer stocker, Wafer robot

# Software



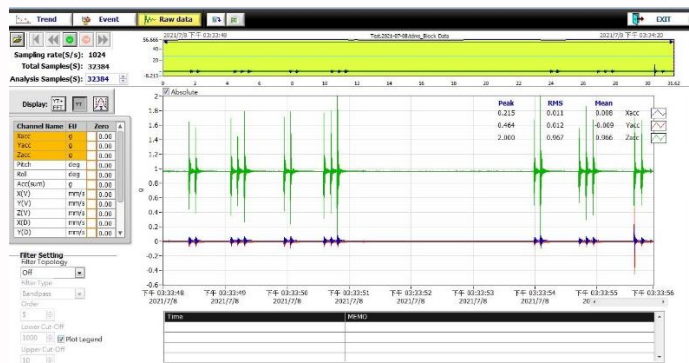
Real-Time waveform



Angle



FFT



Report-Raw data

