

CHIEF SI VSSII

Vibration Sensing System



Specifications

Measured type		Three-axis acceleration, Leveling angle	Size	Diameter 300mm/ 200mm Thickness 4mm ($\pm 0.2\text{mm}$)
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 μg @ 2g range 8 μg @ 4g range 16 μg @ 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 $^{\circ}$		
Interface		Bluetooth	Statistics	Max, Min, RMS, Mean, P-P
Power		Battery built-in	FFT Average	RMS, Peak hold, None
Work hours for instant connection		> 4hrs	Data replay	Forward, backward, play
Language		English	Data output	CSV / Excel Format

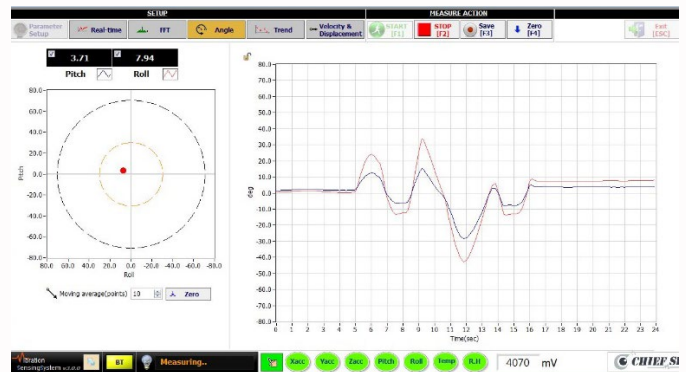
System feature

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

Software



Real-Time waveform



Angle



FFT



Report-Raw data

