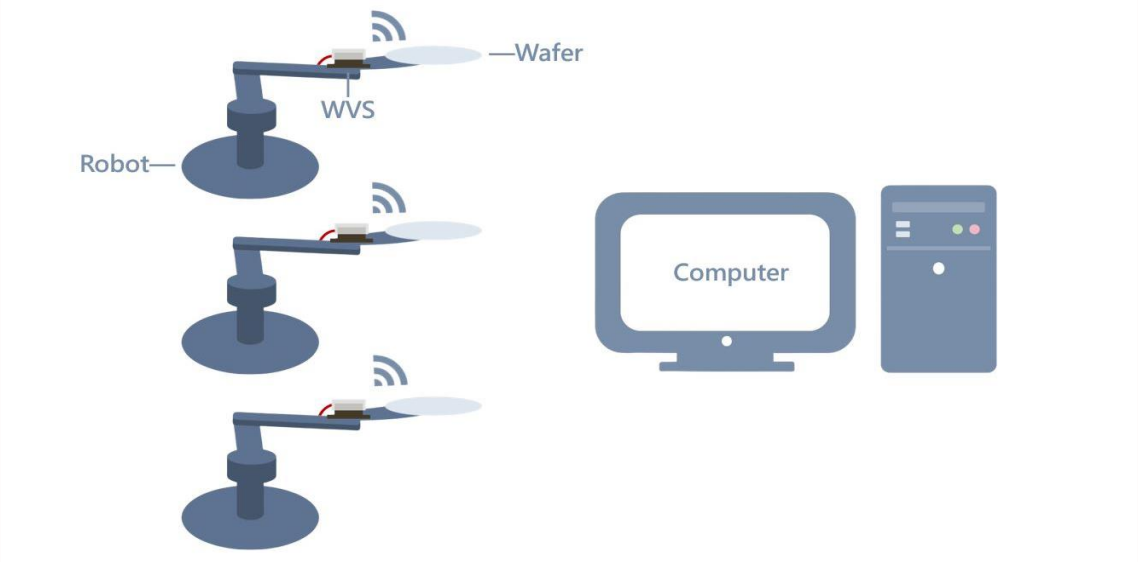
Wireless Vibration Sensor

Specification

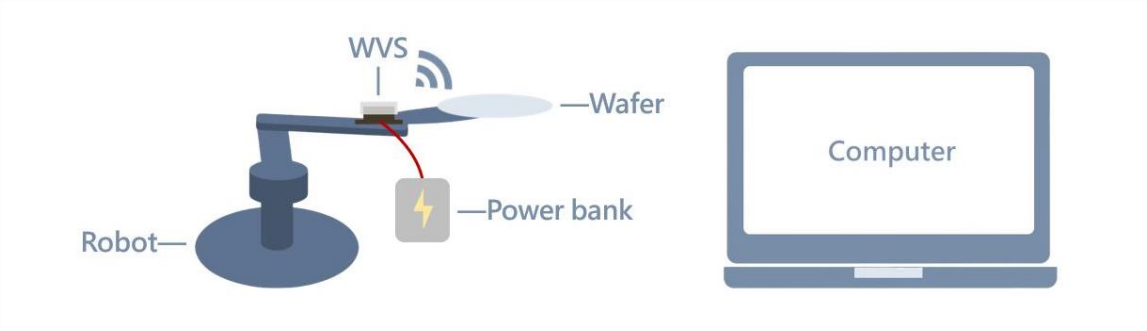
Sensor	Triaxial accelerometer
Range	±2g/±4g/±8g
Typical non-linearity	±0.1% F.S.@±2g
Bandwidth	>500Hz
Sampling rate	Single sensor: 1000,500,250,125 Multiple sensor: 250,125
Resolution	20-bit
Noise spectral density	25μg/√Hz@±2g
Zero-g offset	±75mg@±2g
Zero-g offset vs. Temperature	±0.15mg/℃@±2g
Wireless	Blue tooth 4.0
Wireless range	10m@1kS/s, 20m@500S/s, 25m@250S/s, 30m@125S/s
Power supply	5V±0.5V
Current consumption	<100mA
Operating Temperature Range	-10~85℃
Size	39*30*11mm
Weight	28g
Power	External power supply

Scenario 1—Wireless vibration monitoring of the machine (multiple sensors)

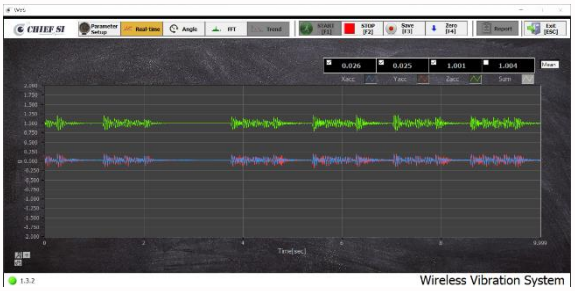


- ✓ Multiple sensors.
- ✓ Machine supply electricity: 5V
- ✓ Uninterrupted monitoring.
- ✓ Providing DLL (dynamic-link library) with measuring functions for integration.

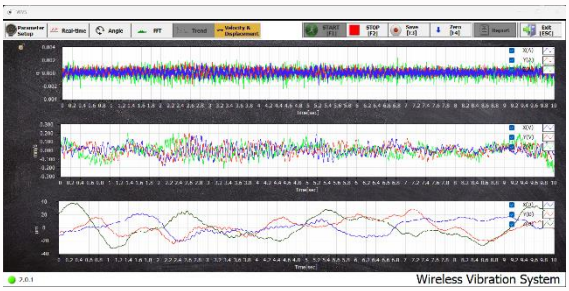
Scenario 2—Research and analysis (one sensor)



- ✓ High-speed measurement with one sensor.
- ✓ Power bank supply electricity: 5V
- ✓ Real-time measurement and analysis.
- ✓ Provide measuring software for velocity, displacement and spectrum analysis.



Real-time



Velocity & Displacement

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