

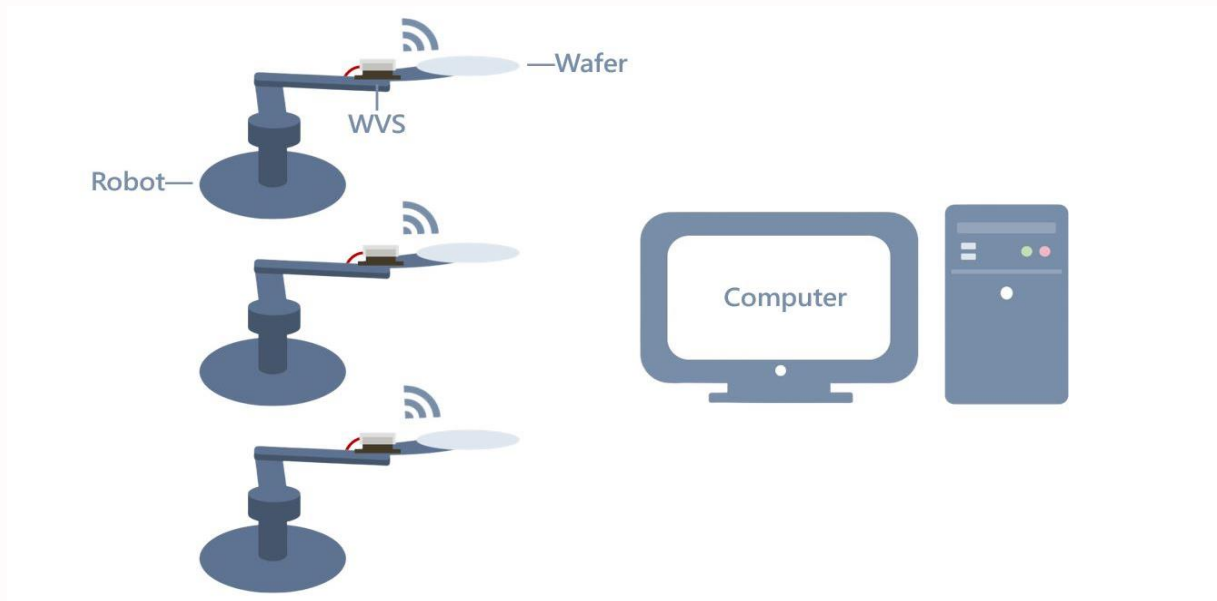
Wireless Vibration Sensor



產品規格

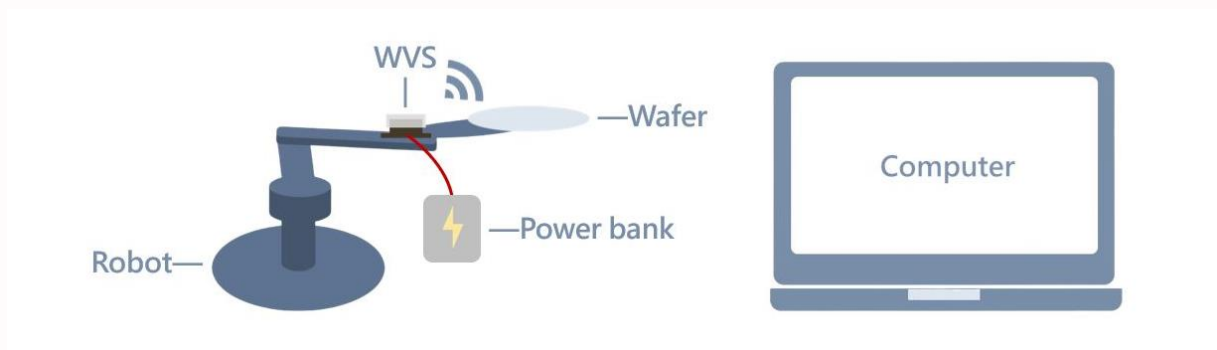
Sensor	Triaxial accelerometer
Range	$\pm 2g/\pm 4g/\pm 8g$
Typical non-linearity	$\pm 0.1\%$ F.S.@ $\pm 2g$
Bandwidth	>500Hz
Sampling rate	Single sensor: 1000,500,250,125 Multiple sensor: 250,125
Resolution	20-bit
Noise spectral density	$25\mu g/\sqrt{\text{Hz}}@ \pm 2g$
Zero-g offset	$\pm 75\text{mg}@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

使用情境 1—機台無線振動監測(多個感測器)

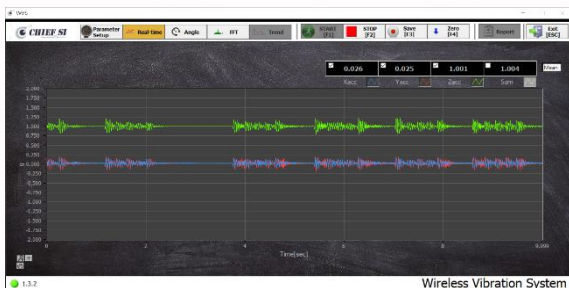


- ✓ 多感測器。
- ✓ 機台供電 5V。
- ✓ 連續監測不間斷。
- ✓ 提供量測 DLL, 客戶可自行整合。

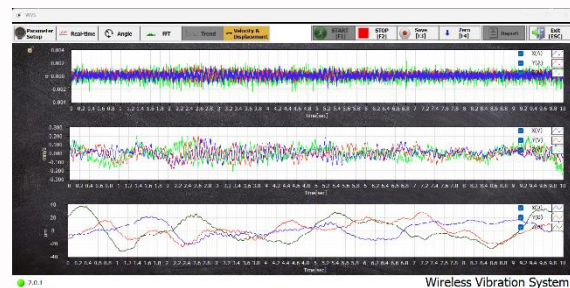
使用情境 2—研究分析(單個感測器)



- ✓ 單感測器高速量測。
- ✓ 行動電源供電 5V。
- ✓ 即時量測與分析。
- ✓ 提供量測軟體，具備頻譜、振動速度、振動位移分析。



Real-time



Velocity & Displacement