



## Vibration Controller K2+ Specifications

Main Enclosure				
Number of Slots		3		
AC Power		Single-phase AC, 100 V-240 V (auto-selected)		
External Communication		Contact I/O (for emergency stop)		
Ambient Conditions		0-40°C, below 85%RH, non-condensing		
Dimensions		W430 × H100 × D383 mm (not including the projection parts)		
Mass		Approximately 7.0 kg		
		4-channel Input and 4-channel Output Module (standard)	8-channel Input Module (option)	
Input Section	Number of Channels		4	8
	Input Connector		BNC	
	Input Signal		Charge, Voltage (Single-ended/Differential), IEPE	
	Charge Amplifier Sensitivity		1.0 mV/pC or 10 mV/pC	
	Charge Amplifier Cut-off		0.32 Hz	
	Maximum Input	Charge Input	±10000 pC or ±1000 pC	
		Voltage Input	±10000 mV	
		IEPE input	±10000 mV	
	Sampling Frequency		102.4 kHz maximum	
	Voltage Input Coupling		AC or DC	
	AC Coupling Cut-off		0.1 Hz	
	CCLD Amplifier (IEPE)		+24 VDC, 3.5 mA	
	TEDS (IEPE)		Version 0.9, Version 1.0	
	D/A Converter	Type	ΔΣ	
Resolution		32 bit		
Dynamic range		121 dB		
Digital filter		Pass-band ripple: +0.001, -0.06 dB, Stop-band attenuation: 85 dB		
Output Section	Number of Channels		4 (One channel is reserved for drive output)	
	Output Connector		BNC	
	Output Signal		Voltage	
	Maximum Output		±10000 mV	
	Sampling Frequency		102.4 kHz maximum	
	D/A Converter	Type	ΔΣ	
		Resolution	32 bit	
		Dynamic range	120 dB	
Digital filter		Pass-band ripple: ±0.005 dB Stop-band attenuation: 100 dB		

**Minimum Specifications for PC**

- One LAN port Gigabyte ethernet port and Gigabyte ethernet cable
- Microsoft Windows 10 Pro (64 bit) or Windows 10 IoT Enterprise (64 bit)\*.
- Memory required (for 8 input channels)  
4 GB or more
- DVD-ROM Drive (required for installation)
- One USB port (necessary for protect device)
- Resolution of monitor and PC required 1280 x 1024 or more

\* Recommended OS and memory vary depending on software, options, number of I/O channels, etc.