
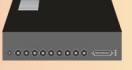



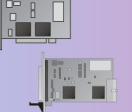




# Vibration Measurement Selection Guide

See the selection guide online, at [www.iotech.com/vibe.html](http://www.iotech.com/vibe.html)

	ZonicBook	WaveBook	DaqBook	DaqLab	LogBook	DaqBoard/2000
<b>Features</b>						
Vibration/Accelerometer Option	built-in	WBK18	DBK4	DBK4	DBK4	DBK4
Accelerometer Channel Capacity	8 to 56	8 to 256 <sup>(5)</sup>	2 to 256	2 to 256	2 to 256	2 to 256
Incremental Channel Expansion	8	8	2	2	2	2
Accelerometer Type	piezoelectric	piezoelectric	piezoelectric	piezoelectric	piezoelectric	piezoelectric
ICP <sup>®</sup> Current Source	4 mA	4 mA	2 or 4 mA	2 or 4 mA	2 or 4 mA	2 or 4 mA
Gain Selections <sup>(1)</sup>	9	8	3	3	3	3
Programmable Input Ranges	25 mV to 25V	25 mV to 25V	50 mV to 5V	50 mV to 5V	50 mV to 5V	50 mV to 5V
Anti-Alias Filter	8 pole	8 pole	12 pole	12 pole	12 pole	12 pole
Filter Type	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth	Butterworth
Programmable Corner Frequencies	12	13	8	8	8	8
Coupling	AC, DC	AC/DC	AC, DC	AC, DC	AC, DC	AC, DC
Maximum Voltage Input	25V	25V	10V <sup>(2)</sup>	10V <sup>(2)</sup>	20V <sup>(2)</sup>	10V <sup>(2)</sup>
Maximum Aggregate Speed	500 kHz	500 kHz	200 kHz	200 kHz	100 kHz	200 kHz
Simultaneous Sampling	yes	yes	yes	yes	yes	yes
Excitation Output Source	sine	sine (swept-sine, pseudo-random, chirp, burst)	—	—	—	—
External Clock Input	—	yes	—	—	yes	—
A/D Resolution (bits)	16	12 or 16	16	16	16	16
Analog Trigger Source	single-channel, volts or spectrum	multichannel	single-channel	single-channel	multichannel	single-channel
Digital Trigger Source	—	yes — pattern	yes	yes	yes	yes
Digital I/O – Included	8	16	40	30	40	40
Digital I/O – Maximum	—	—	up to 208	256	256	256
Tachometer Inputs	4	optional	—	—	—	—
Other Supported I/O	volts	volts	volts, counters, D/A	counters, D/A	volts, counters, D/A	volts, counters, D/A
Additional Transducer Support	—	many	many	many	many	many
PC Connectivity – Included	Ethernet	Ethernet	Ethernet	Ethernet	parallel, RS-232	PCI, CompactPCI
PC Connectivity – Optional	—	—	PC-Card	—	PC-Card	N/A
Power Source	AC or DC	AC or DC	AC, DC	AC	AC, DC	from PC
Package	portable	portable	portable	desktop	portable	plug-in board
Stand-Alone Operation	—	—	—	—	yes	—
Nonvolatile Data Storage	—	—	—	—	yes	—
<b>Software Compatibility</b>						
Included Software Application	1 eZ-Series package	WaveView	DaqView	DaqView	LogView	optional <sup>(4)</sup>
eZ-Rotate	yes	yes	yes	yes	yes	yes
eZ-Analyst	yes	yes	—	—	—	—
eZ-Balance	yes	yes	—	—	—	—
eZ-TOMAS	yes	yes	—	—	—	—
eZ-FrequencyView	—	—	—	—	—	yes
<b>File Formats Supported</b>						
DADiSP	—	yes	yes	yes	yes	yes
DIAdem	—	yes	yes	yes	yes	yes
DASyLab	—	yes	yes	yes	yes	yes
MATLAB	—	yes	yes	yes	yes	yes
Snap-Master	—	yes	yes	yes	yes	yes
ASCII/Excel	yes	yes	yes	yes	yes	yes
MEScope	yes	yes <sup>(6)</sup>	—	—	—	—
Universal File Format (UFF) 58A (ASCII)	yes	yes	yes	yes	yes	yes
Universal File Format (UFF) 58B (Binary)	yes	yes	yes	yes	yes	yes
SMS Modal Format	yes	—	—	—	—	—
.wav Files	—	yes	yes	yes	yes	yes
<b>Page Reference</b>	<b>59</b>	<b>17</b>	<b>89</b>	<b>103</b>	<b>75</b>	<b>192</b>
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