



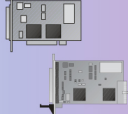




Strain Measurement Selection Guide

See the selection guide online, at www.iotech.com/strain.html

	WaveBook	DaqBook	DaqLab	LogBook	DaqBoard/2000
Features					
Strain Option	WBK16	DBK16, DBK43A	DBK16, DBK43A	DBK16, DBK43A	DBK16, DBK43A
Strain Channel Capacity	8 to 256 ⁽⁵⁾	2 to 256	2 to 256	2 to 256	2 to 256
Incremental Channel Expansion	8	2 or 8	2 or 8	2 or 8	2 or 8
Bridge Configuration	full, 1/2, 1/4	full, 1/2, 1/4	full, 1/2, 1/4	full, 1/2, 1/4	full, 1/2, 1/4
Bridge Wiring Type	2, 3, 4, 6	2, 3, 4, 6	2, 3, 4, 6	2, 3, 4, 6	2, 3, 4, 6
Bridge Resistance (Ohms)	60 to 1000	60 to 1000	60 to 1000	60 to 1000	60 to 1000
Shunt Calibration	yes	yes	yes	yes	yes
Configurability	software	manual	manual	manual	manual
Excitation Range	0.5 to 10V	1.5 to 10.5V	1.5 to 10.5V	1.5 to 10.5V	1.5 to 10.5V
Gain Selection	86 ranges	variable pot	variable pot	variable pot	variable pot
Gain	x1 to 20,000 ⁽¹⁾	x100 to 1250	x100 to 1250	x100 to 1250	x100 to 1250
Anti-Alias Filter	4 pole	3 pole	3 pole	3 pole	3 pole
Selected Corner Frequencies	10 Hz, 1 kHz ⁽³⁾	10 Hz ⁽³⁾	10 Hz ⁽³⁾	10 Hz ⁽³⁾	10 Hz ⁽³⁾
Coupling	AC, DC	AC, DC	AC, DC	AC, DC	AC, DC
Maximum Voltage Input	10V ⁽²⁾	10V ⁽²⁾	20V	20V ⁽²⁾	10V ⁽²⁾
Maximum Aggregate Speed	1 MHz	200 kHz	200 kHz	100 kHz	200 kHz
A/D Resolution (bits)	12 or 16	16	16	16	16
Analog Trigger Source	multichannel	single-channel	single-channel	multichannel	single-channel
Digital I/O – Included	8 or 16	40	30	40	40
Digital I/O – Maximum	—	256	256	256	256
Other Included I/O	volts	volts, counters, D/A	volts, 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	stand-alone, parallel, RS-232	PCI, CompactPCI
PC Connectivity – Optional	—	—	—	PC-Card	N/A
Power Source	AC, DC	AC, DC	AC	AC, DC	from PC
Package	portable	portable	desktop	portable	plug-in board
Stand-Alone Operation	—	—	—	yes	—
Nonvolatile Data Storage	—	—	—	yes	—
Software Compatibility					
Included View Application	WaveView	DaqView	DaqView	LogView	optional ⁽⁴⁾
Included Bridge Calibration Software	WaveView	GageCal	GageCal	—	GageCal
File Formats Supported					
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
.wav Files	yes	yes	yes	yes	yes
Page Reference	17	89	103	75	192
Web Address	www.iotech.com/wavebook	www.iotech.com/daqbook	www.iotech.com/daqlab	www.iotech.com/logbook	www.iotech.com/daqboard

1. Software programmable
 2. Up to 1000V on WaveBooks with WBK61 option; up to 300V on others with DBK50 option
 3. Corner frequency field modifiable with resistor insertion

4. DaqView2000 is an option for the DaqBoard/2000 series
 5. Assuming four WaveBooks attached together, each with eight WBK options
 6. For eZ-Analyst only