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Find the *Measurement Computing / IOtech WBK10* at our website: *Click HERE*

WBK10A

8-Channel Analog Expansion Module

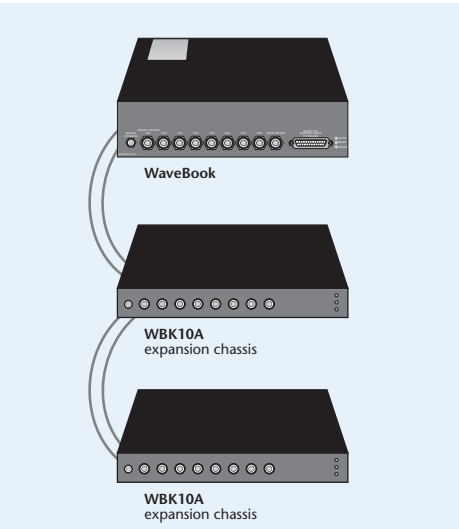
Features

- **Adds eight differential voltage input channels to the WaveBook**
- **Operates from 10 to 30 VDC**
- **Accepts one WBK11A, WBK12A, or WBK13A low-pass filter & simultaneous sample and hold option**

The WBK10A provides seamless expansion of eight voltage channels on any WaveBook system. The WBK10A integrates automatically into existing systems for effortless expansion without compromising throughput or timing.

WBK10A functions as an integral part of the WaveBook data acquisition system, taking full advantage of its scan sequencer to control channel gains over all channels. As a result, all expansion channels can be randomly accessed and are available to contribute to multi-channel triggering.

Like the WaveBook, the WBK10A can operate from a standard AC line, an optional rechargeable battery supply, a 12V car battery, or any 10 to 30 VDC supply.



The WBK10A has a small form factor, letting you expand your system without expanding your space requirements



The WBK10A adds eight differential analog inputs to your WaveBook system

Specifications (18 to 28 ˚C)

Warm-up: 30 minutes to rated specifications
Environment
Operating: 0 to 50 ˚C; 0 to 95% humidity, non-condensing
Storage: -20 to +70 ˚C
Power: 0.35A @ 15V
Dimensions: 285 mm W x 220 mm D x 35 mm H (11″ x 8.5″ x 1.375″)
Weight: 1.3 kg (2.8 lbs)
Connector: BNC
Channels: 8 differential
Maximum Overvoltage: 35 VDC
Ranges: Fully software selectable
Unipolar: 0 to ±10V, 0 to +5V, 0 to +2V, 0 to +1V
Bipolar: ±10V, ±5V, ±2V, ±1V, ±0.5V
Input Bandwidth: DC to 500 kHz
Input Impedance: 5M Ohm (single-ended); 10M Ohm (differential) in parallel with 30 pF
Total Harmonic Distortion: -84 dB (DC to 20 kHz)
Anti-Alias Filter
Type: 5 pole Butterworth; 20 kHz low pass software enabled*
Power: 0.35A @ 15V

Accuracy & Noise		
Range	**Accuracy**	**Noise (rms)**
0 to 10V, 0 to 5V	±0.012% reading; ±0.009% range	2 LSB
0 to 2V	±0.012% reading; ±0.012% range	3 LSB
0 to 1V	±0.012% reading; ±0.018% range	3 LSB
±10V, ±5V, ±2V	±0.012% reading; ±0.009% range	2 LSB
±1V	±0.018% reading; ±0.012% range	3 LSB
±0.5V	±0.018% reading; ±0.018% range	5 LSB

Ordering Information

Description	**Part No.**
8-channel expansion module including AC adapter and cables	WBK10A

Accessories & Cables

Rack mount kit	RackDBK2
5-pin male DIN to 5-pin male DIN provides convenient connection between WaveBook power input connectors and DBK30A (also used to daisy-chain input power to expansion modules)	CA-115
CE Compliant Cables	
1 male BNC to male BNC	CA-150-1
8 male BNC to male BNC	CA-150-8

Product Compatibility

✔ WaveBook

* See WBK12A or WBK13A for other filter options

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