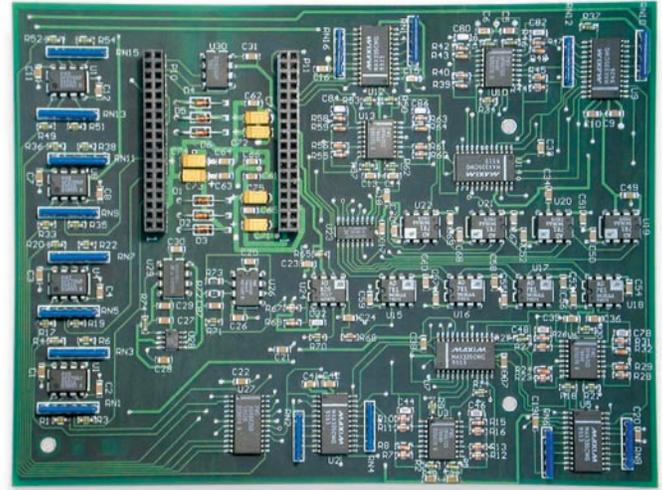


Features

Formerly WBK11A

- Provides eight input channels with simultaneous sample and hold
- Samples all channels within 100 ns of one another
- Expands the WaveBook's gain sensitivity

The WBK11/HR simultaneous sample and hold card provides the WaveBook with eight channels of simultaneous sample and hold capability



The WBK11/HR is an 8-channel simultaneous sample and hold card for use with WaveBook data acquisition systems. The card installs* directly into the WaveBook or WBK10A analog input chassis, enabling the simultaneous sampling of all channels**. Even if multiple WBK11/HR cards are installed within one system, all system channels are sampled within 100 ns of one another.

Simultaneous sampling of all channels occurs at the start of a scan sequence. The system then scans the output of each sample and hold amplifier until all channels are measured.

Programmable Gain Amplifiers. With the WBK11/HR installed in the WaveBook and WBK10A, gain ranges are shifted upward automatically to include the $\pm 10V$ range of these products.

Note: When installed in a WaveBook, the 20 kHz low-pass filter is disabled.

Ranges with Installation of WBK11/HR		
Range	WaveBook	WBK10A
Bipolar	$\pm 10V, \pm 5V, \pm 2V, \pm 1V$ $\pm 0.5V, \pm 0.2V, \pm 0.1V$	$\pm 10V, \pm 5V, \pm 2V, \pm 1V$ $\pm 0.5V, \pm 0.2V, \pm 0.1V, \pm 0.05V$
Unipolar	Not Available	0 to +10V, 0 to +5V, 0 to +2V, 0 to +1V, 0 to +0.5V, 0 to +0.2V, 0 to +0.1V

Specifications

Connectors: Internal to the WaveBook (36-pin sockets mate with 36-pin connectors)
Channels: 8
Input Voltage Ranges: Software programmable prior to a scan sequence, see table above
Programmable Gain Amplifier
Gain Ranges: x1, 2, 5, 10, 20, 50, & 100
Accuracy (typ):
 With /516A: $\pm 0.012\%$ of reading; $\pm 0.008\%$ of range
 With /512A: $\pm 0.03\%$ of reading; $\pm 0.012\%$ of range
CMRR: 80 dB typ
Aperture Uncertainty: 75 ps max
Voltage Droop: 0.01 mV/ms max
Weight: 0.14 kg (0.3 lbs)
Power: Derived from WaveBook or WBK10A; draws 0.227 @ 15V

Ordering Information

Description	Part No.
8-channel sample and hold card for the WaveBook or WBK10A	WBK11/HR

Product Compatibility

- ✓ WaveBook
- ✓ WBK10A

* Must be factory installed and calibrated

** When using a WaveBook system with a WBK11/HR, WBK13A, WBK16/SSH, or WBK18 the per channel sample rate is $\frac{1 \text{ MHz}}{(n + 1)}$ where n=number of active channels