





Comparison Guide

Digital Storage Oscilloscope

2194

BK PRECISION

| Company | B&K Precision | | Keysight | Instek |
|-----------------------------------|---|--|---|---|
| Model | BK2194 | BK2190E | DSOX1204A | GDS-1104B |
| |  |  |  |  |
| List price | 650,00 € | 470,00 € | 985,00 € | 705,00 € |
| Bandwidth | 100 MHz | 100 MHz | 100 MHz | 100 MHz |
| Channels | 4 | 2 | 4 | 4 |
| Maximum Sample Rate ¹ | 1 GSa/s ² | 1 GSa/s | 2 GSa/s | 1 GSa/s |
| Maximum Memory Depth ¹ | 14 Mpts ² | 40 Kpts | 2 Mpts | 10 Mpts |
| Waveform Update Rate | 100,000 wfms/s | not specified | 200,000 wfms/s | 50,000 wfms/s |
| Vertical Resolution | 8-bit | 8-bit | 8-bit | 8-bit |
| Display | 7" TFT 800 x 480 | 7" TFT 800 x 480 | 7" TFT 800 x 480 | 7 " TFT 800 x 480 |
| FFT | 128 kpts | 1024 pts | 64 kpts | 1 Mpts |
| Segmented Acquisition | ✓ | - | ✓ | - |
| Pass/Fail Testing | ✓ | ✓ | ✓ | ✓ |
| Measurements | 38 | 32 | 32 | 36 |
| Measurement Statistics | ✓ | - | ✓ | ✓ |
| Decoding | FC, UART, SPI, CAN, LIN | - | FC, UART, SPI, CAN, LIN | FC, UART, SPI, CAN, LIN |
| General | | | | |
| User Interface | USB host, USB device, LAN | USB host, USB device, LAN | USB host, USB device, LAN | USB host, USB device, LAN |
| Weight | 5.7 lbs (2.6 kg) | 5.5 lbs (2.5 kg) | 7.1 lbs (3.2 kg) | 6.2 lbs (2.8 kg) |
| Warranty | 3 Years | 1 Year | 3 Years | 2 Years |

1: Max sample rate and memory applies when a single channel is active.

2: Sample rate and memory is limited to a quarter of the max when 3 or 4 channels are active. 3: DSOX1204A list price includes the bandwidth upgrade from 70 MHz to 100 MHz.

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