

# Keysight Competitive Comparison

## Keysight S-Series versus Danaher-Tektronix DPO70404C

### Keysight S-Series



The Keysight Technologies, Inc. S-Series oscilloscope provides bandwidths up to 8 GHz with class-leading signal integrity and analysis. Custom ASICs, including the industry's first 40 GSa/s 10-bit ADC, allow you to see your real signal. Class-leading deep memory and a large suite of analysis tools complement a designed-for-touch user interface and the industry's first 15" multi-touch capacitive touch-screen display.

### Danaher-Tektronix DPO70404C



A 15" multi-touch capacitive touch-screen display offers 2x more viewing area and much greater sensitivity to user inputs.

|                                     | Danaher-Tektronix DPO70404C          |   | Keysight S-Series      |   |
|-------------------------------------|--------------------------------------|---|------------------------|---|
| Bandwidth                           | Up to 33GHz                          | ✓ | Up to 8GHz             | ✗ |
| Upgradable bandwidth                | Yes (Board change in service center) | ✓ | Yes (License key only) | ✓ |
| Input termination                   | 50ohm (1Mohm required adaptor)       | ✗ | 1Mohm and 50ohm        | ✓ |
| Standard full channel sampling rate | 25GSa/s                              | ✓ | 10Gsa/s                | ✗ |
| Standard memory depth               | 31.25M                               | ✗ | 50M                    | ✓ |
| Max memory depth                    | 125M                                 | ✗ | 400M                   | ✓ |
| ADC bits                            | 8bits                                | ✗ | 10bits                 | ✓ |
| ENOB                                | 5.5 bits                             | ✗ | 7.2 bits (@4GHz)       | ✓ |
| Timescale accuracy                  | ±1500ppb                             | ✗ | ±12ppb                 | ✓ |
| Input sensitivity                   | 10mV/div~500mV/div                   | ✗ | 1mV/div ~ 1V/div       | ✓ |
| Display size                        | 12.1 inch                            | ✗ | 15 inch                | ✓ |
| Math functions                      | 4                                    | ✗ | 16                     | ✓ |
| Internal driver                     | HDD(SSD option)                      | ✗ | SSD                    | ✓ |
| Weight                              | 24Kg                                 | ✗ | 12Kg                   | ✓ |