

# Tektronix MSO4000 Series vs. Agilent MSO8000A Series

## Side-by-Side Product Comparison

### Product Size Comparison

- ✓ Tektronix MSO4000  
5.4 in. (137 mm) Depth

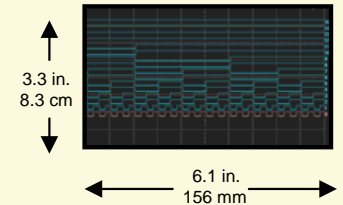
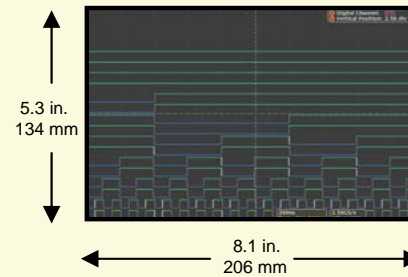


- ✗ Agilent MSO8000A  
17.3 in. (440 mm) Depth



### Waveform Display Area Comparison

- ✓ Tektronix MSO4000  
10.4 in. (264 mm) XGA Display
- ✗ Agilent MSO8000A  
8.4 in. (213 mm) XGA Display



### Key MSO Specification Comparison

	Tektronix MSO4000	Agilent MSO8000A
Digital Channels	✓ 16	✓ 16
Max. Digital Channel Record Length	✗ 10 Mpts	✓ 32 Mpts
Digital Channel Timing Resolution	✓ 60.6 ps	✗ 1 ns
Minimum Detectable Pulse Width	✓ 1.5 ns	✗ 2.5 ns
Maximum Input Toggle Rate	✓ 350 MHz	✗ Not specified
Threshold Settings	✓ Per digital channel	✗ For each group of 8 channels
Setup & Hold Triggering	✓ Across all analog & digital channels	✗ Analog channels only

# Tektronix MSO4000 Series vs. Agilent MSO8000A Series

## Value

✓ Tektronix MSO4000 Series

- ✓ Compare the value you get for the price
- ✓ 25% less for base a GHz model (US MSRP, 1/1/07)



✗ Agilent MSO8000A

- ✗ Compare the value you get for the price
  - Large price premium to get Windows



## Event Table Display of Decoded Data

✓ Tektronix MSO4000 Series



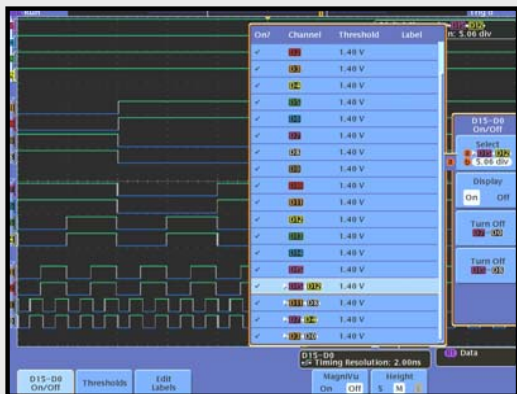
✗ Agilent MSO8000A

- ✗ No table display of decoded parallel data



## Grouping and Moving Parallel Data

✓ Tektronix MSO4000 Series



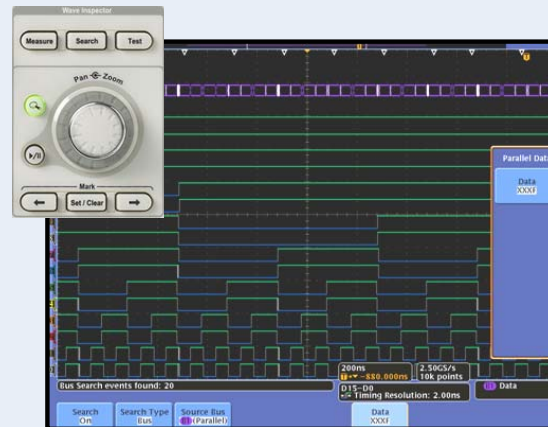
✗ Agilent MSO8000A

- ✗ No grouping of digital channels
- ✗ No way to move groups of digital channels at one time



## Searching on Parallel Data

✓ Tektronix MSO4000 Series



✗ Agilent MSO8000A

- ✗ Searching limited to manually scrolling through acquisition with horizontal position knob

