

AFG3000C Series vs. Rigol DG4000

Competitive Fact Sheet

Reduced Set-up and Evaluation Time

Tektronix AFG3000C

- ✓ **6 Shortcut buttons** including **Frequency/Period, Amplitude/High, Offset/Low, Duty/Width, Leading/Trailing, Phase/Delay**, providing direct access to frequently-used parameters
- ✓ Free ArbExpress and Signal Express Software provide tools that enable seamless connection between multiple Tektronix oscilloscopes and the AFG3000C.



Rigol DG4000

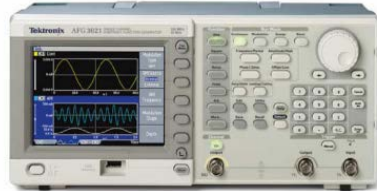
- ✗ **No Shortcut buttons** – Does not offer shortcut buttons. Users must navigate with screen bezel buttons to access frequently-used parameter settings.
- ✗ Rigol Ultra Station software doesn't directly support waveform transfer from oscilloscopes to the signal generator.



More Guaranteed Specifications

Tektronix AFG3000C

- ✓ **These specification are guaranteed:**
 - Amplitude Flatness
 - Harmonic Distortion
 - Rise/Fall Time
 - Output Amplitude Accuracy



Rigol DG4000

- ✗ **These specification are typical:**
 - Amplitude Flatness
 - Harmonic Distortion
 - Rise/Fall Time
 - Output Amplitude Accuracy



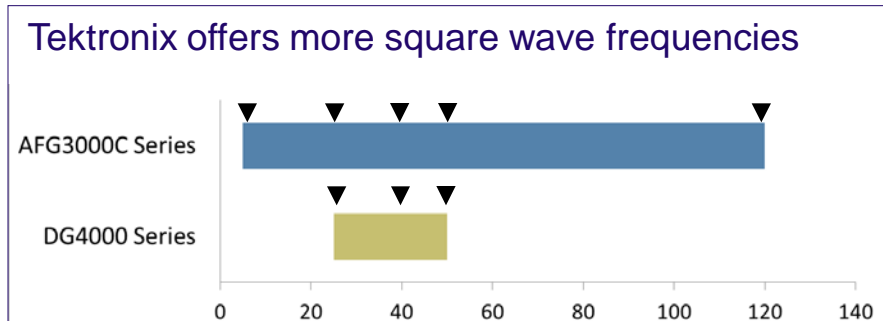
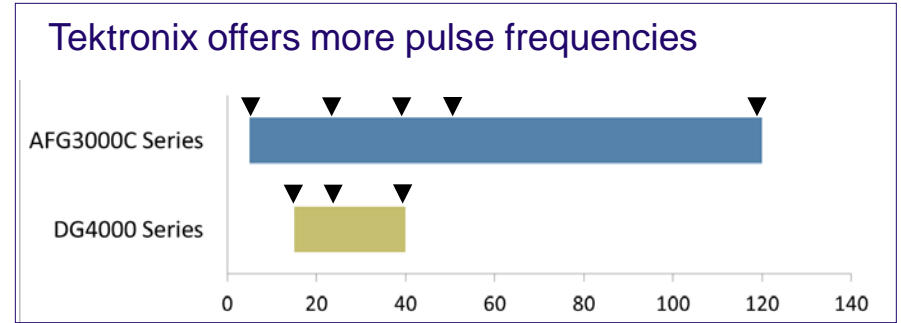
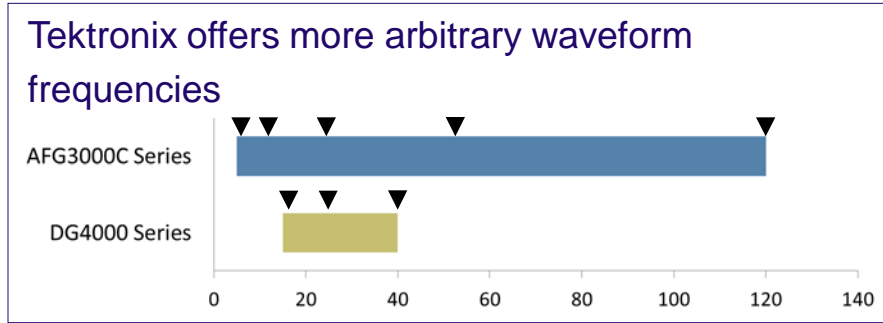
Key Specifications Comparison

	Tektronix AFG3000C	Rigol DG4000
Channels	✓ 1, 2	✗ 2
Bandwidth (MHz)	✓ 10, 25, 50, 100, 240	✗ 60, 100, 160
Record Length	✓ 128K points	✗ 16K points
Sampling Rate	✓ AFG3011C: 250MS/s AFG302xC: 250MS/s AFG305xC: 1GS/s AFG310xC: 1GS/s AFG325xC: 2GS/s	✗ All models: 500 MS/s
Connectivity	✓ USB, GPIB, LAN	✗ USB, LAN
Max Output Voltage Into 50 Ω	✓ AFG3011C: 20Vpp AFG302xC: 10Vpp AFG305xC: 10Vpp AFG310xC: 10Vpp AFG325xC: ≤ 200MHz: 5Vpp > 200MHz: 4Vpp	✗ ≤ 20MHz: 10Vpp ≤ 60MHz: 5Vpp ≤ 120MHz: 2.5Vpp ≤ 160MHz: 1Vpp

AFG3000C Series vs. Rigol DG4000

Competitive Fact Sheet

▼ Model Max Frequency



Wider Pulse Duty Cycle Range

<p>Tektronix AFG3000C</p> <p>✓ 0.001% to 99.999% (Limitations of pulse width apply).</p>	<p>Rigol DG4000</p> <p>✗ ≤10 MHz: 20.0% to 80.0%</p> <p>10 MHz-40 MHz: 40.0% to 60.0%</p> <p>>40 MHz: 50.0% (fixed)</p>
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