

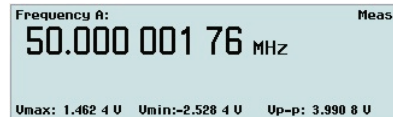
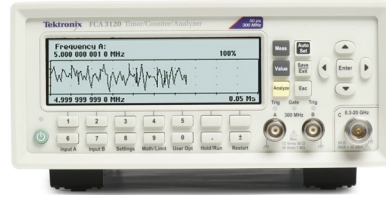
FCA3000 Series vs. Agilent 53131A Series

Competitive Fact Sheet

Ease of Use

Tektronix FCA3000 Series

- ✓ Graphical & numeric display
- ✓ Multiple parameter readout on display, e.g. frequency & voltage measurements
- ✓ Structured on-screen menus to guide set up of instrument and functions
- ✓ USB device port to connect with a PC for data recording
- ✓ Emulation mode to support Agilent 53131A test system software



Multiple parameter readout shows auxiliary measurements on same display

Agilent 53131A Series

- ✗ Numeric display only
- ✗ Single parameter readout on display
- ✗ Scroll through menu system requires toggling through multiple functions for set up
- ✗ No USB device port
- ✓ Automated Test Equipment software



Unique Test Functions

Tektronix FCA3000 Series

- ✓ Allan Deviation
- ✗ Totalize Measurements
(Available on FCA3100 Series)
- ✗ Continuous zero dead-time measurements with time stamping via GPIB/USB
(Available on FCA3100 Series)
- ✓ Optional Modulation Domain Analysis Software (TimeView™)

Agilent 53131A series

- ✗ No
- ✓ Yes
- ✗ No
- ✗ No

Key Specifications Comparison

	Tektronix FCA3000 series		Agilent 53131A series	
Frequency resolution (digits/s)	✓	12	✗	10
Best OCXO time base option	✓	<5E-8/year	✗	1E-7/year
Time interval single-shot resolution	✓	100 ps	✗	500 ps
Vmax, Vmin resolution	✓	3 mv	✗	5 mv
Measurement Speed to Internal Memory	✓	250k Sa/s 750k internal memory available	✗	---
Individual Measurements	✓	500/s	✗	200/s
Min. pulse width	✓	1.6 ns	✗	4.5 ns

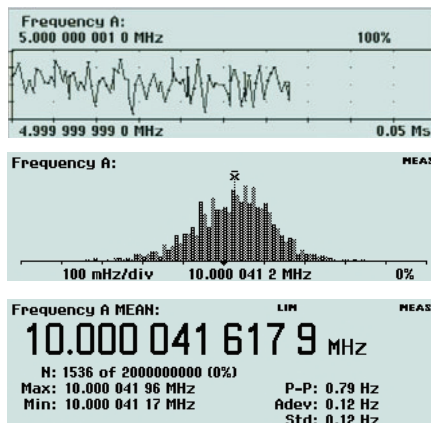
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Competitive Fact Sheet

Extended Analysis Features

Tektronix FCA3000 Series

- ✓ Statistical analysis with trend line
- ✓ Statistical analysis with histogram
- ✓ Detailed statistical readout including Allan deviation



Agilent 53131A Series

- ✗ No trend line analysis mode
- ✗ No histogram analysis mode
- ✗ Single item readout in statistics mode; no Allan deviation measurement

Warranty Duration

Tektronix FCA3000 Series

Agilent 53131A Series

- ✓ 3-year warranty

- ✗ 1-year warranty



Tektronix FCA3000 Series

Connect Your Bench for Powerful Debug

- ✓ FCA3000 Series includes a copy of National Instruments LabVIEW SignalExpress™, Limited Tektronix Edition Software.
- ✓ Provides a common software interface for Tektronix bench instruments
- ✓ Remotely control your instruments, automate measurements and analyze data across multiple instruments. capture and save results.

