

MCA3000 Series vs. Anritsu MF241Xc Series

Competitive Fact Sheet

Ease of Use

Tektronix MCA3000 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
- ✓ Power measurement



Anritsu MF241Xc Series

- ✗ Numeric display only
- ✗ Single function readout on display
- ✗ No USB device port
- ✗ No Power measurement



Unique Test Function

Tektronix MCA3100 Series

- ✗ Burst measurement (Limited)
- ✓ Statistical mode: (mean, max/min, std dev, Allan dev)
- ✓ Two instruments in one (includes two- 300Mhz timer/counter channels)
- ✓ Optional Modulation Domain Analysis Software (TimeView™)

Anritsu MF241Xc Series

- ✓ Yes
- ✗ Limited (no Std Dev)
- ✗ Limited to single counter
- ✗ No

Key Specifications Comparison

	Tektronix MCA3000 Series		Anritsu MF241Xc Series	
Frequency resolution (digits/s)	✓	12	✗	11
Best OCXO time base option	✓	1.5E-8/year	✗	2E-8/year
Measurement Speed GPIB	✓	40/s	✗	20/s
Power Measurements	✓	35/s (GPIB) >100k/s to internal memory	✗	Not available
Measurement Speed to Internal Memory	✓	250k/s	✗	100k/s
Acquisition time (auto)	✓	25 ms	✗	50 ms
Battery option	✓	Yes	✗	No

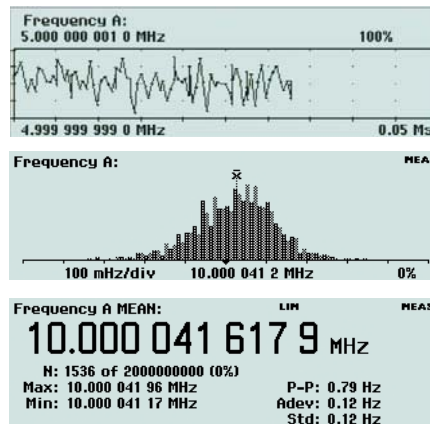
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Extended Analysis Features

Tektronix MCA3000 Series

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



Anritsu MF241Xc Series

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

Warranty Duration

Tektronix MCA3000 Series

- ✓ 3-year warranty

Agilent MF241Xc Series

- ✗ 1-year warranty



Tektronix MCA3000 Series

Connect Your Bench for Powerful Debug

- ✓ MCA3000 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.

