

# MCA3000 Series vs. Agilent 53150A/51A/52A Series

## Competitive Fact Sheet

### Ease of Use

#### Tektronix MCA3000 Series

- ✓ Graphical & numeric display
- ✓ Multiple parameter readout on display, e.g. frequency & voltage measurements
- ✓ USB device port to connect with a PC for data recording
- ✓ Power measurement



*Multiple parameter readout shows auxiliary measurements on same display*

#### Agilent 53150/51A/52A Series

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



### Unique Test Function

#### Tektronix MCA3100 Series

- ✓ Burst measurement: (Limited)
- ✓ Statistical mode: (mean, max/min, std dev, Allan dev)
- ✓ Internal Memory (750 k)
- ✓ Two instruments in one (includes two- 300Mhz timer/counter channels)

#### Agilent 53150A/51A/52A series

- ✗ No
- ✗ Limited: average
- ✗ None
- ✗ Limited to single counter

### Key Specifications Comparison

	Tektronix MCA3000 series	Agilent 53150A/51A/52A
Frequency resolution (digits/s)	✓ 12	✗ 11
Best OCXO time base option	✓ 1.5E-8/year	✗ 1E-7/year
Measurement Speed GPIB	✓ 40/s	✗ 8/s
Power Measurements	✓ 35/s (GPIB) >100k/s to internal memory	✗ 5/s
Graphical analysis	✓ Histogram and trend	✗ No
Acquisition time	✓ 25 ms	✗ 125 ms
Battery option	✓ Yes	✓ Yes

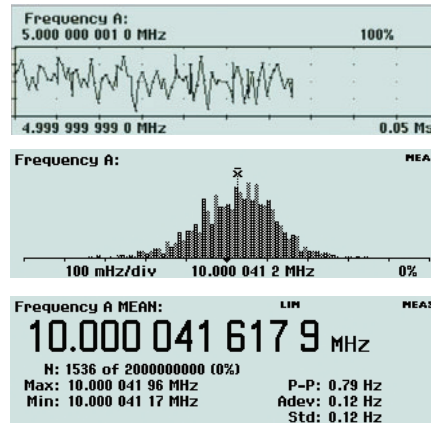
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### Extended Analysis Features

#### Tektronix MCA3000 Series

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



#### Agilent 53150A/51A/52A Series

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

### Warranty Duration

#### Tektronix MCA3000 Series

- ✓ 3-year warranty



#### Agilent 53150A/51A/52A 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.

