

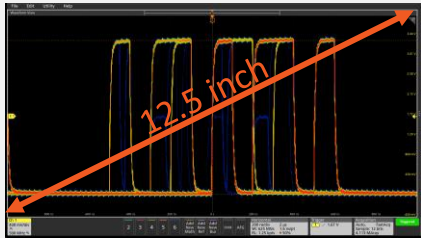
# 4 Series MSO vs. R&S RTA4000 Series

## COMPETITIVE FACT SHEET

### Display Size and Waveform Viewing Area

#### Tektronix 4 Series MSO

- ✓ 13.3 inch HD (1920 x 1080)



#### R&S RTA4000 Series

- ✗ 10.1 inch WXVGA (1280 x 800)



### Digital Channels

#### Tektronix 4 Series MSO

- ✓ No. of displayed busses limited only by scope memory
- ✓ Up to 48 digital channels
- ✓ 6.25 GS/s sample rate regardless of number of channels

#### R&S RTA4000 Series

- ✗ Limited to 4 bus signals
- ✗ Max. of 16 digital channels
- ✗ Sample rate drops to 2.5 GS/s for 16 channels

### Navigation and Search

#### Tektronix 4 Series MSO



- ✓ Wave Inspector® controls
- ✓ Pan/Zoom controls for easy scrolling through long records.

#### R&S RTA4000 Series

- ✗ Uses horizontal scale and position controls for zoom – loss of control over horizontal scale
- ✗ Zoom window shifts making it unclear what you are seeing

### Measurements and Math

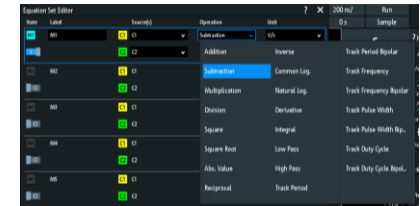
#### Tektronix 4 Series MSO

- ✓ More than 5 math channels
- ✓ No. of measurements limited only by scope memory
- ✓ Graphical equation editor with easily recognizable math functions



#### R&S RTA4000 Series

- ✗ Max. of 5 math channels
- ✗ Max. of 8 measurements
- ✗ Limited math choices available through text-based equation editor



### Waveform Capture Rate

#### Tektronix 4 Series MSO

- ✓ Greater than 500,000 waveforms/s
- ✓ Up to 5,000,000 waveforms/s in fast segmented memory mode

#### R&S RTA4000 Series

- ✗ Up to 64,000 waveforms/s
- ✗ Up to 2,000,000 waveforms/s in fast segmented memory mode

# 4 Series MSO vs. R&S RTA4000 Series

## COMPETITIVE FACT SHEET

	Tektronix 4 Series MSO		Rohde & Schwarz RTA4000 Series	
<b>Analog Channels</b>	✓	4 or 6	✗	4
<b>Digital Channels</b>	✓	Up to 48	✗	Up to 16
<b>Bandwidth</b>	✓	200 MHz, 350 MHz, 500 MHz, 1 GHz, 1.5 GHz	✗	200 MHz, 350 MHz, 500 MHz, 1 GHz
<b>Analog-to-Digital Converter</b>	✓	12-bit	✗	10-bit
<b>Analog Sampling Rate</b>	✓	6.25 GS/s on all channels	✗	2.5 GS/s on all channels, 5 GS/s on half channels
<b>Digital Sampling Rate</b>	✓	6.25 GS/s on all channels	✗	2.5 GS/s on all channels, 5 GS/s on half channels
<b>Waveform Capture Rate</b>	✓	Greater than 500,000 waveforms/s	✗	Up to 64,000 waveforms/s
<b>Record Length</b>	✗	31.25 M (std); 62.5 M (opt)	✓	100 M (std)
<b>Segmented Memory</b>	✓	Yes	✓	Yes
<b>Visual Trigger</b>	✓	Yes	✗	No
<b># of Active Measurements</b>	✓	> 8 – Limited only by scope memory	✗	8
<b>Serial Triggering and Analysis</b>	✓	I2C, SPI, I3C, RS-232/422/485/UART, SPMI, CAN, CAN FD, LIN, FlexRay, SENT, USB 2.0, Ethernet, I2S, LJ, RJ, TDM, MIL-STD-1553, ARINC 429	✗	I2C, SPI, UART/RS-232/RS-422/RS-485, CAN, LIN, I2S, MIL-STD-1553, ARINC429
<b>Integrated Waveform Generator</b>	✓	1 @ 50 MHz	✗	1 @ 25 MHz
<b>Dimensions (H x W x D)</b>		11.0 in x 15.9 in x 6.1 in (280 mm x 405 mm x 155 mm)		8.66 in x 15.35 in x 5.98 in (220 mm x 390 mm x 152 mm)
<b>Display</b>	✓	13.3 inch, HD (1920 x 1080), Touchscreen	✗	10.1 inch, WXGA (1280 x 800), Touchscreen
<b>Warranty</b>	✓	3 years	✓	3 years