MXO 3 SERIES OSCILLOSCOPE

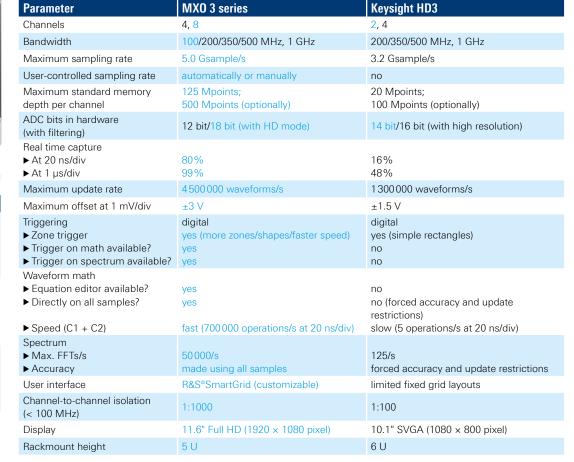
versus Keysight HD3 Series



MXO 3: Fast Precise Compact

Benefit	MXO 3 features
Fast	 ▶ Instantly see all signal activity to better understand your system ▶ Catch rare signal anomalies ▶ See all signal variation, including subtle changes ▶ Stays responsive to what you do, as you do it; the most information in the shortest amount of time
Precise	 ▶ Get a sharper and more accurate system overview ▶ See the smallest details even for larger signals ▶ Isolate even slightest spikes, bumps, dips and any other important changes ▶ Retain fast sample rates when capturing nanoseconds or milliseconds of time ▶ Replace speculation with certainty and persistent doubts with assurance
Compact	 ▶ Compact enough to work anywhere ▶ Unmatched four-channel and eight-channel performance up to 1 GHz in a surprisingly small package ▶ Integrated ARB, MSO, DMM and protocol analysis ▶ Rackmount with just 5 U

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UNMATCHED USER EXPERIENCE

Higher productivity in both time and frequency domain exclusively on the MXO 3 oscilloscope:

- ► Quick customized layouts with R&S®SmartGrid user interface
- ► Configurable toolbar for quick access to functions

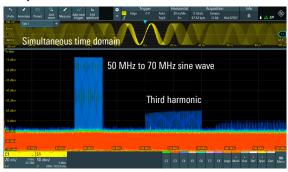
MXO 3 with R&S®SmartGrid

Multiple waveform viewing



- Quick custom grid layout. Stacked and side-by-side
- ► Hardware-accelerated math shows all details instantly
- ▶ Accurate math, measurements and spectrum using all acquired samples

Swept 50 MHz to 70 MHz sine wave

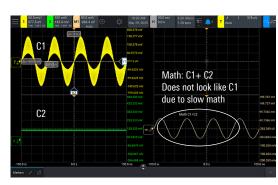


MXO 3 spectrum: Time and frequency simultaneously. See all the details instantly with fast update.

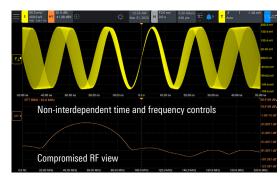
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www.rohde-schwarz.com | www.rohde-schwarz.com/support | www.training.rohde-schwarz.com R&S* is a registered trademark of Rohde & Schwarz | Trade names are trademarks of the owners MXO 3 Series Oscilloscope
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Keysight HD3 (user interface limitations)



- ▶ A few fixed grid layout choices. No customization.
- ► Slow math. Measurements, math and FFTs based on a reduced set of data; trade off accuracy for update rates



Keysight HD3 spectrum: Time not visible simultaneously.

Slow update misses significant signal details.

Advantages of the MXO 3 over the Keysight HD3



2 X
Maximum channels
(8 versus 4 channels)

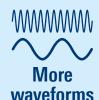
Channels



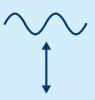
6.25 ×
More memory
(125 Mpoints versus 20 Mpoints)



Lower price MX03 priced lower vs. HD3



Faster capture rate
(4500000 waveforms/s vs.
810 waveforms/s at 20 ns/div)



> 2 × Offset



More grid arrangement

Display area