

MEET THE FAMILY.

Oscilloscopes that share the same DNA, precision, performance & reliability

Now Those are Family Values.

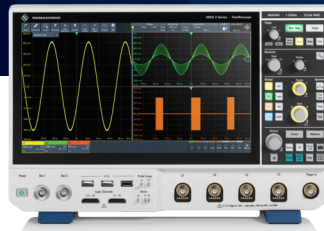
Like any strong family, each Rohde & Schwarz oscilloscope has its own personality – but they're all built on the same foundation of trusted engineering values. Whether you need an entry-level scope or the power of high-performance analysis, there's a family member ready to help you get the job done.



MXO 5 Series

Ultimate performance oscilloscope for demanding applications

- ▶ 100 MHz - 2 GHz bandwidth
- ▶ Up to 5 Gsample/s
- ▶ 12-bit ADC, 18-bit HD mode
- ▶ 4 or 8 channels
- ▶ 500 Mpoints - 1 Gpoint memory
- ▶ 15.6" Full HD touchscreen



MXO 4 Series

Balanced performance and features for diverse measurement needs

- ▶ 200 MHz - 1.5 GHz bandwidth
- ▶ Up to 5 Gsample/s
- ▶ 12-bit ADC, 18-bit HD mode
- ▶ 4 channels
- ▶ 400 - 800 Mpoints memory
- ▶ 13.3" Full HD touchscreen



MXO 3 Series - NEW!

Compact design with big capabilities for space-conscious lab

- ▶ 100 MHz - 1 GHz bandwidth
- ▶ Up to 5 Gsample/s
- ▶ 12-bit ADC, 18-bit HD mode
- ▶ 4 or 8 channels
- ▶ 125 - 500 Mpoints memory
- ▶ 11.6" Full HD touchscreen

Why Choose the MXO Family?

Unmatched Performance

Capture every detail of your signal with exceptional bandwidth and sampling rates. Trust in our oscilloscopes for critical measurements and complex designs.

Innovative Features for Everyone

From seasoned engineers to newcomers, our intuitive interfaces and advanced tools cater to all skill levels, fostering collaboration and creativity in your projects.

Built to Last

Invest in a legacy of excellence. Our oscilloscopes are engineered for durability and longevity, ensuring they remain a trusted partner for years to come.

Support That Feels Like Home

Enjoy dedicated local customer support every step of the way. When you choose the MXO family, you're joining a community that values your success.

What Makes Rohde & Schwarz Oscilloscopes Different

Industry Leading Speed

Up to 4.5 million waveforms/s
with 99% real-time capture

Unmatched Precision

Digital trigger with 0.0001 div
sensitivity and <1 ps jitter

Innovative Technology

Zone triggering, hardware acceleration,
and advanced analysis

ROHDE & SCHWARZ

Make ideas real



MXO FAMILY COMPARISON

Choose the right oscilloscope for your application



Specification	MXO 5 Series	MXO 4 Series	MXO 3 Series
Bandwidth	100 MHz - 2 GHz	200 MHz - 1.5 GHz	100 MHz - 1 GHz
Channels	4 or 8	4	4 or 8
Sample Rate	5 Gsample/s (4 ch) 2.5 Gsample/s (8 ch)	5 Gsample/s (2ch) 2.5 Gsample/s (4 ch)	5 Gsample/s (2/4 ch) 2.5 Gsample/s (4/8 ch)
Memory Depth	500 Mpoints - 1 Gpoint	400-800 Mpoints	125-500 Mpoints
Vertical Resolution	12-bit, 18-bit HD	12-bit, 18-bit HD	12-bit, 18-bit HD
Display	15.6" Full HD Touch	13.3" Full HD Touch	11.6" Full HD Touch
Waveform Rate	>4.5M wfms/s	>4.5M wfms/s	>4.5M wfms/s
Digital Channels	16 (optional)	16 (optional)	16 (optional)
Differentiating Features	– Removable M.2 SSD – x86 Processor – Compliance test	– 2 x 100 MHz Generators – Balance of performance and value	– Cost-optimized entry into 8-channel market – Compact design
Starting Price	\$20,615	\$10,270	\$5,885

MXO Family Features

- ▶ **Hardware Digital Trigger:** 0.0001 div sensitivity
- ▶ **Zone Triggering:** Draw-to-trigger
- ▶ **HW-Accelerated:** Zone Triggering, HD mode, Math, Spectrum, Mask Test, XY Mode, and more
- ▶ **R&S Smart Grid:** Customizable layout, quick access to tools, short learning curve
- ▶ **Remote Control & Programmability:** Built-in webserver, SCPI, Python & C# Driver, Offline ScopeStudio SW
- ▶ **Operating System:** Closed Linux

[Rohde-schwarz.com/mxofamily](https://rohde-schwarz.com/mxofamily)

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