ROHDE&SCHWARZ
Make ideas real

MXO 5C SERIES OSCILLOSCOPE/DIGITIZER
Next generation oscilloscope with 2 HU form factor

The MXO 5C (C for Compact) delivers breakthrough oscilloscope technology leveraged from R&S®MXO 5 series, in a 2 HU form factor.

Take advantage of the industry's highest channel density with 100 MHz to 2 GHz of bandwidth. Perfect for rackmount applications, it can also be used in bench applications with an external display or web interface with a virtual front panel.

The 4-channel and 8-channel models with bandwidths from 100 MHz to 2 GHz let you choose the one that is right for you.

Common applications

Physics research

Automated test

Manufacturing test

Power electronics

Power management (PMIC)

Use with MXO 5 series for up to 16 channels with common trigger

For more information, visit
www.rohde-schwarz.com/product/MXO5C

Primary applications

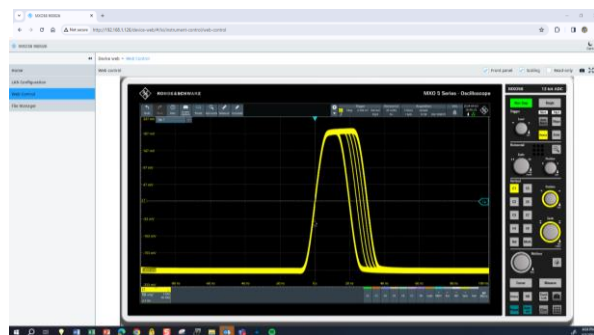| Rackmount	Bench
Oscilloscope or digitizer	General purpose, power electronics

Your benefit	Features
Best choice for your application and budget	► Choose from a 4-channel or 8-channel version and a wider range of bandwidths (all user bandwidths can be upgraded to 2 GHz).
More flexibility for rackmounts or benches	► An extremely useful integrated micro display provides quick access to critical information such as instrument IP, firmware version and more. ► Use HDMI, DisplayPort or standard LAN web interfaces to visualize instrument controls. ► Use in tighter spaces. The MXO 5C has the highest channel density in only 2 HU with 1/3 the depth of competitors.
Measurement confidence from superior hardware	► MXO 5C includes 12-bit ADCs that run at all sample rates. ► MXO 5C includes 500 Mpoints standard memory. ► MXO 5C captures up to 99 % signal activity. ► Rohde & Schwarz trigger re-arm time of 21 ns with max. update rate of 4.5 million waveforms/s after preset (86 % real-time signal capture) ► MXO 5C trigger can isolate small signal details at all bandwidths and vertical settings without any tradeoffs

Key specifications		MXO 5C
Rackmount height		2U
Channels	MXO54C MXO58C	4 channels 8 channels
Bandwidth	MXO54C MXO58C	**4-ch:** 350, 500 MHz, 1 GHz and 2 GHz **8-ch:** 100, 200, 350, 500 MHz, 1 & 2 GHz
Maximum sampling rate		5 GSa/s
Memory depth		500 Mpoints/channel (standard) 1 Gpoints/channel on 4 ch. (option)
ADC bits		12 (up to 18 bit resolution in HD mode)
Waveform update rate after preset % real time capture after preset		4.5 M waveforms/s 86%
Spectrum analysis (standard)		Up to 4
Channel-to-channel isolation		≥ 60 dB (1:1000)
ARB option		Two 100 MHz waveform generators (option)
MSO logic channel option		16 logic channels (option)
Integrated micro display		Yes. IP address, status, FW, other.
External display		HDMI, DisplayPort — virtual front panel
Dimensions (W x H x D)		445 mm × 88 mm × 405 mm 17 in. × 3.4 in. × 15.9 in.
Upgradeable		Bandwidth, protocol trigger and decode, arbitrary waveform generator, analysis capabilities
Warranty		1 year

Remote LAN web interface

Interact with Rohde & Schwarz scopes using the built-in web browser. The front panel makes has buttons and dials in addition to the setting dialog. Make and download screen images with a mouse click.

Integrated micro display provides critical info including IP address

Instrument Model	MXO58C
Bandwidth, Memory	2 GHz, 1 Gpts
Firmware Version	2.1.3
Host Name	MXO5C-RACK-1
IP Address	192.168.123.456
Ethernet Status	Connected

Need to quickly find the instrument's IP address? Need to see if the scope is booted up and/or running? The world's first scope micro display gives you quick and easy access to critical information.

Need > 8 channels?

Use an MXO 5 Oscilloscope with a second one, or with an MXO 5C for to 16 channels with a common trigger

Probe or cabled environment

The instrument offers 50 Ω and 1 MΩ input paths. Use with cables or the integrated probe interface and add probes for your application needs. Rohde & Schwarz has a wide variety of probes:

► Passive probes

► Active single ended and differential probes

► High voltage differential probes

► Current probes

► Isolated probes

► Power rail probes

► Logic probes

► Near field probes

Ordering information

Step 1: Choose your oscilloscope model

Description	Item
350 MHz, 4-channel oscilloscope	R&S®MXO54C
100 MHz, 8-channel oscilloscope	R&S®MXO58C

Languages: English, German, French, Spanish, Italian, Portuguese, Czech, Polish, Russian, Simplified and Traditional Chinese, Korean and Japanese

Step 2: Choose your oscilloscope bandwidth

Upgrade of R&S®MXO54C to 500 MHz	R&S®MXO5C-B245
Upgrade of R&S®MXO54C to 1 GHz	R&S®MXO5C-B2410
Upgrade of R&S®MXO54C to 2 GHz	R&S®MXO5C-B2420
Upgrade of R&S®MXO58C to 200 MHz	R&S®MXO5C-B282
Upgrade of R&S®MXO58C to 350 MHz	R&S®MXO5C-B283
Upgrade of R&S®MXO58C to 500 MHz	R&S®MXO5C-B285
Upgrade of R&S®MXO58C to 1 GHz	R&S®MXO5C-B2810
Upgrade of R&S®MXO58C to 2 GHz	R&S®MXO5C-B2820

Step 3: Choose your hardware options

Probes not included. 10:1 passive probe	R&S®RT-ZP11
Mixed signal option (MSO) with 16 digital channels	R&S®MXO5C-B1
Arbitrary waveform generator, 100 MHz, 2 channels	R&S®MXO5C-B6
Additional M.2 SSD	R&S®MXO5C-B19
Memory options 1 Gpoints	R&S®MXO5C-B110
Rackmount kit	R&S®ZZA-KNP21

Step 4: Choose your software applications

Low speed serial triggering and decode	R&S®MXO5C-K510
Automotive serial triggering and decode	R&S®MXO5C-K520
MIPI (SPMI) low speed protocols	R&S®MXO5C-K550
Automotive Ethernet protocols	R&S®MXO5C-K560
Power analysis	R&S®MXO5C-K31
Frequency response analysis	R&S®MXO5C-K36

Warranty

Base unit	1 year
All other items	1 year
Extended warranty (1 year, 2 year, …)	WE1, WE2, …
Accredited certification coverage (1 year, 2 year,…)	ACC1, ACC2, …
Additional service options available for extended warranty coverage	