R&S®MXO 5C SERIES OSCILLOSCOPE / DIGITIZER
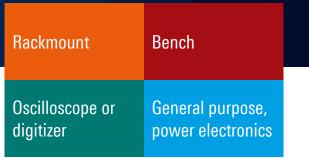## Next generation oscilloscope in a 2U-high form factor

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

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

With 4- and 8-ch models, and bandwidths from 100 MHz to 2 GHz, choose the one that best fits your application and budget

Primary applications

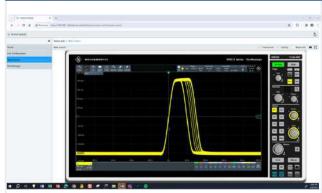|	
Rackmount	Bench
Oscilloscope or digitizer	General purpose, power electronics

Common applications

- Physics research
- Automated test
- Manufacturing test
- Power electronics
- Power management (PMIC)
- Use with R&S®MXO 5 series to get up to 16 channels with common trigger.

Key specifications	MXO 5C
Rackmount height	2U
Channels MXO 54C	4 channels
MXO 58C	8 channels
Bandwidth MXO54C	4-ch: 350, 500 MHz, 1 & 2 GHz
MXO058C	8-ch: 100, 200, 350, 500 MHz, 1 & 2 GHz
Maximum sampling rate	5 GSa/s
Memory depth	500 Mpts/channel (standard) 1 Gpts/channel on 4 ch. (option)
ADC bits	12 (up to 18 bits resolution with 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 generator (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 the R&S scope using the built-in web browser. A more front panel makes it easy to use knobs in addition to the setting dialogs.   Make and download screen images with a single 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 and/or running?   Use the world's first micro display on a scope for quick and easy access to critical info.

Need > 8 channels?

Use with R&S®MXO 5 scope with a second one, or with an MXO 5 to get up to 16 channels with common trigger

Probe or cabled environment

The instrument offers both 50 Ω and 1 MΩ input paths. Use with cables, or take advantage of the integrated probe interface and add probes that match your application needs. Rohde & Schwarz offers a wide variety of probes including:

► 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	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	