R&S®ScopeStudio SOFTWARE

Oscilloscope application software for PCs: Enhance your oscilloscope experience

An MXO series oscilloscope for your PC

Take your oscilloscope analysis to the next level with R&S®ScopeStudio software. The powerful tool lets you view, analyze, document and share measurements on a PC – when you are away from your oscilloscope. The intuitive MXO series graphical user interface helps efficiently create professional documentation with the flexible R&S®SmartGrid layout, a wide variety of built-in annotation capabilities and a customizable toolbar.

Acquire once, replay forever

Ever wish to easily access captured oscilloscope waveforms and measurement data when you were away from the instrument? Now you can. Take time for analysis, far from noisy labs and free up the oscilloscope for others. Explore the vast set of MXO series oscilloscope measurement and analysis capabilities, add documentation notes or save information to your local PC or network drive. You can do all this while still acquiring new measurements remotely, thanks to the MXO web interface.

Easy to view, analyze and measure

R&S®ScopeStudio has the same comprehensive measurement and analysis as MXO series oscilloscopes. You can apply identical measurements and analysis to captured waveforms. You can also seamlessly continue your work on a PC by loading saved sessions, instrument settings and waveforms.

Quickly share and document

Ever need to remotely collaborate within your company or with external partners, suppliers or customers? Since R&S®ScopeStudio runs on your PC, collaboration is easy with file sharing and PC tools.

Oscilloscope application software for PCs

MXO series oscilloscope   PC running R&S®ScopeStudio software

Key facts
▶ PC based analysis of oscilloscope waveforms
▶ Advanced signal processing and visualization capabilities
▶ Customizable R&S®SmartGrid layout for efficient analysis
▶ Seamless integration and compatibility with MXO series oscilloscopes

ROHDE & SCHWARZ

Make ideas real

Specifications in brief

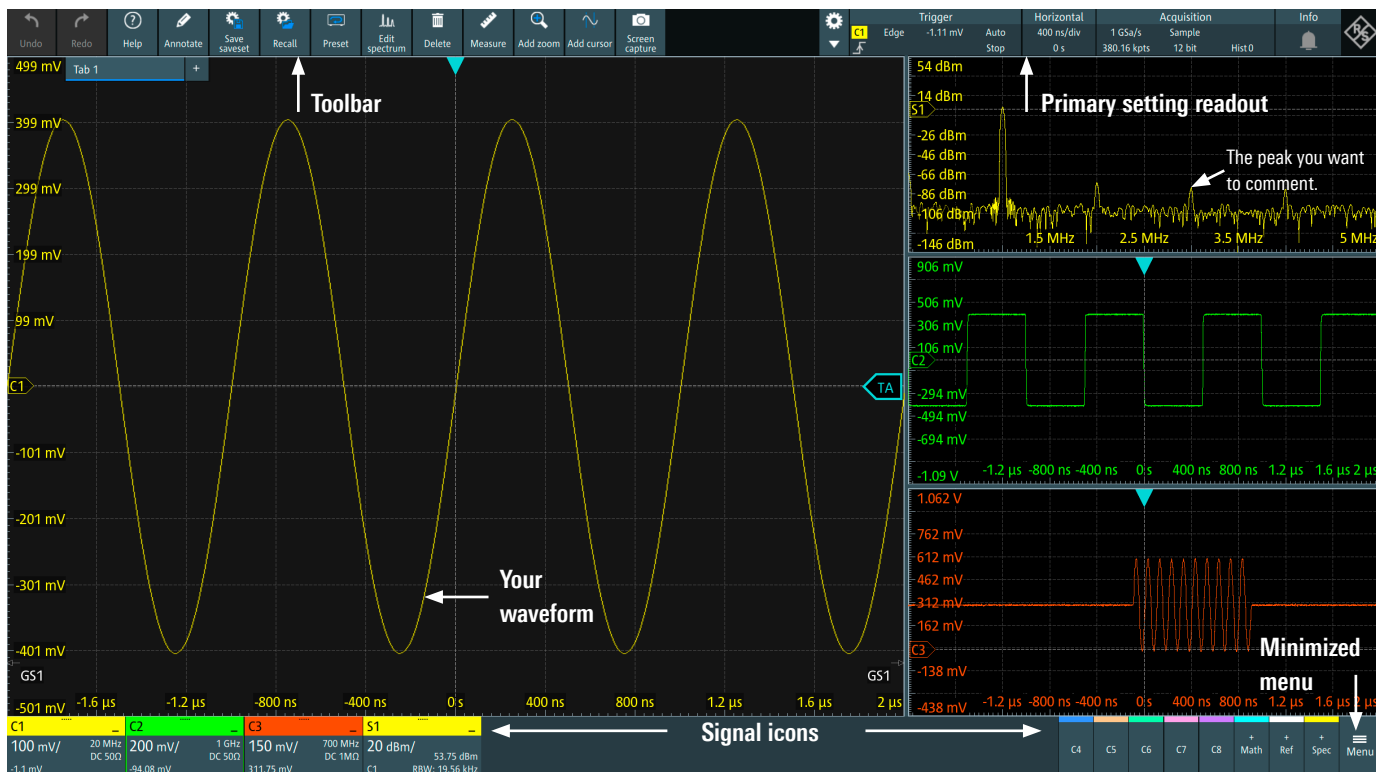|	
PC requirements	▸ Windows 10, 64 bit or Windows 11, 64 bit ▸ at least 8 Gbyte of RAM ▸ at least 4 Gbyte of free disk space ▸ at least 1920 × 1080 pixel monitor recommended ▸ internet connectivity for download and license activation
Waveforms	▸ up to 8 channel waveforms ▸ up to 32 imported channel waveforms ▸ up to 8 reference waveforms
Math	▸ up to 8 math waveforms ▸ 15 basic math operators ▸ basic lowpass and highpass filters with rectangular or Gaussian characteristic ▸ customizable math formula
Spectrum	▸ up to 4 spectrum waveforms ▸ spectrum gate ▸ peak list
Automatic measurements	▸ 40 automatic measurement types ▸ up to 24 active automatic measurements ▸ up to 8 active measurement gates
Cursors	▸ up to 4 cursors ▸ X&Y, X, Y cursor types ▸ optional second source, peak search

Specifications in brief

R&S®SmartGrid	▸ user-defined layout (waveforms be overlayed, stacked or side by side) ▸ up to 16 vertical grids ▸ up to 16 horizontal grids ▸ up to 8 diagram tabs
Annotation and documentation	▸ color selection ▸ text ▸ arrow ▸ rectangle ▸ free draw ▸ adjustable transparency ▸ screenshot features (optional show dialog, show signal bar, color inversion)
Supported file formats	▸ load waveform (REF, BIN; single and multiple shots) ▸ save waveform (REF, CSV, HDF5) ▸ savesets (SET) ▸ generator savesets (GEN, SET) ▸ sessions (ZIP) ▸ report (CSV; only save, single shot) ▸ screenshots (PNG, JPG)
Localizations and extra tools	▸ 13 languages ▸ 26 toolbar tools ▸ application resolution: 1920 × 1080 pixel (native; freely scalable)

Ordering information

Designation	Type	Order No.
R&S®ScopeStudio Software	R&S®MXO-PC	1801.9005.02
R&S®ScopeStudio protocol decode option	R&S®MXO-PC-K1	1804.8874.02

Customizable R&S®SmartGrid layout