



R&S®UPP AUDIO ANALYZER

Multichannel and cost-efficient

The perfect choice for

Audio analysis

HDMI™ applications

Measurements on multichannel devices

Measurements on mixed interfaces



Multichannel and cost-efficient, for use in the lab and in production

The compact cost-efficient R&S®UPP200 audio analyzer is designed for system applications. It features low height and comes without front panel control elements or integrated display.

- ▶ Suitable for all interfaces: analog, digital and combined
- ▶ HDMI™ device testing
- ▶ Up to 80 kHz bandwidth and 200 kHz sampling rate

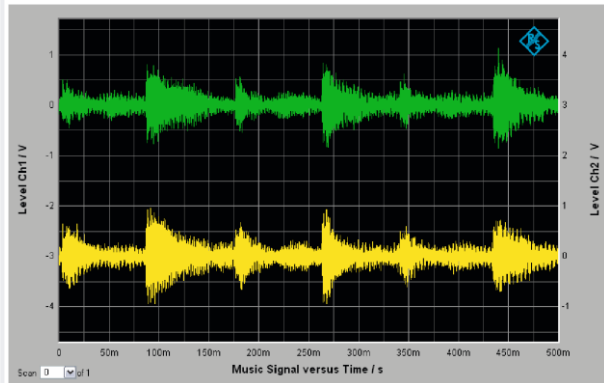
Key specifications	
Analog analyzer	
Frequency range	DC/20 Hz to 21.76/40/80 kHz
Audio range (RMS, sine)	1 μV to 50 V
Measurement functions	RMS wideband, RMS selective, peak, S/N, DC, FFT, THD, THD+N, SINAD, Mod Dist, DFD, polarity, waveform, frequency, phase, group delay
Analog generator	
Source impedance	25 Ω/600 Ω selectable
Voltage (balanced)	0.2 mV to 14 V
Voltage (unbalanced)	0.1 mV to 7 V
Frequency range	0.1 Hz to 80 kHz
Output signals	sine, stereo sine, multisine, sine burst, Mod DIST, DFD, noise, arbitrary waveform, polarity, DC, play WAV files

Your benefit	Features
Powerful and fast	<ul style="list-style-type: none"> ▶ Parallel measurements for high throughput ▶ High measurement speed throughout the system ▶ Ideal for use in production ▶ Multichannel measurements by means of cascading
All test signals and measurement functions in a single box	<ul style="list-style-type: none"> ▶ Powerful and even multichannel FFT analysis ▶ User-programmable filters that can be adapted in seconds to the individual measurement task ▶ Integrated control PC
Convenient operation throughout	<ul style="list-style-type: none"> ▶ State-of-the-art and intuitive user interface makes operation quick and easy to learn ▶ All measurement results at a glance ▶ Effective online help functions



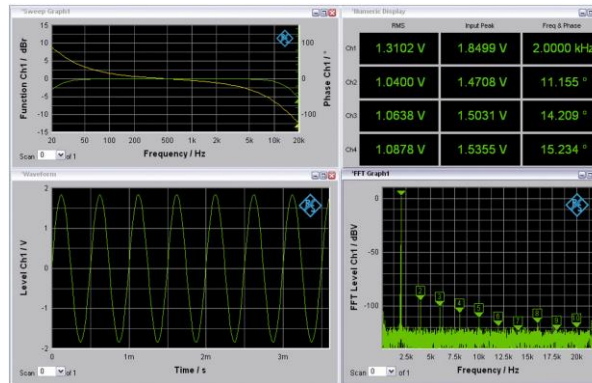
致力于电子测试、维护领域!

All test signals and measurement functions in a single box



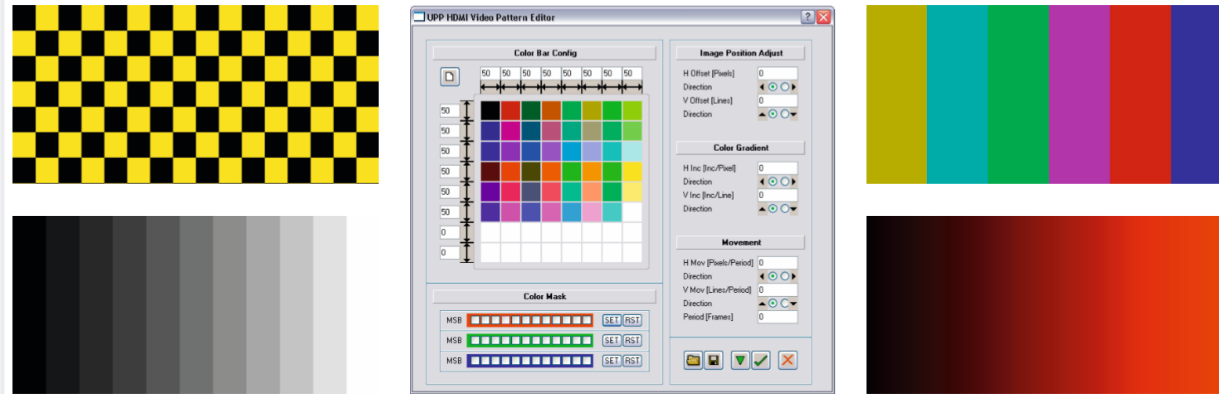
Complex test signals from WAV files can be output at all interfaces; in this example, the waveform function shows the time characteristic of a dualchannel music signal.

All measurement results at a glance



Everything at a glance: Multiple measurement diagrams can be arranged in any desired configuration on the screen; analyses in the frequency and the time domain can be displayed simultaneously.

Video pattern generator and four test patterns



Ordering information

Step 1: Choose your oscilloscope model	
Audio Analyzer, Two Channels	R&S®UPP200
Audio Analyzer, Four Channels	R&S®UPP400
Audio Analyzer, Eight Channels	R&S®UPP800
Step 2: Choose your hardware option	
Digital audio I/O	R&S®UPP-B2
HDMI™ and digital audio interfaces	R&S®UPP-B4
Eight-Channel Generator	R&S®UPP-B8
Step 3: Choose your software option	
Digital audio protocol for R&S®UPP-B2	R&S®UPP-K21
Dolby® data stream decoding for R&S®UPP-B4	R&S®UPP-K41
Extended audio/video measurements for R&S®UPP-B4	R&S®UPP-K45
1/n octave analysis	R&S®UPP-K601
Cascading Software for R&S®UPP800	R&S®UPP-K800
Step 4: Choose your system components ¹⁾	
XL/BNC adapter set, male	R&S®UP-Z1M
XL/BNC adapter set, male/female	R&S®UP-Z1MF
AES/EBU cable for R&S®UPP-B2	R&S®UP-Z2
I2S cable for R&S®UPP-B2/R&S®UPV-B41	R&S®UP-Z3
Eight-channel I2S cable for R&S®UPP-B4	R&S®UP-Z4

¹⁾ refer to the product brochure for more system components

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