SRS Audio

Introducing the.........................SR1+ Audio Analyzer

$8400 (US List)
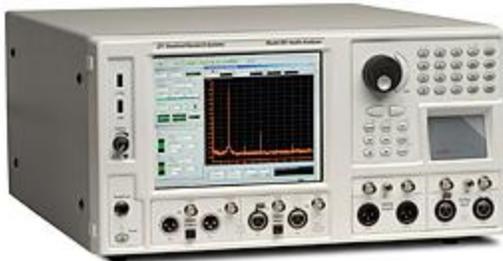
- *Typically 2 db (up to 5 dB) better analog system THD+N (22kHz BW)*
- *Powerful new processor for faster, more responsive, operation.*
- *Realtime fractional octave analyzer and sound level measurements.*
- *Ultra-low jitter measurement option.*
- *4 USB Ports + 1 Parallel Port*

We've taken the SR1 Audio Analyzer, the analyzer that legendary audio designer Ed Meitner called "The best value in analog and digital audio testing available today" and made it even better. First, we've re-engineered the analog generator and analyzers to bring you even lower noise and distortion levels—up to 5 dB lower THD+N (22kHz BW). Next we've added some of the features you've asked for; like a fractional octave realtime analyzer, SPL calibration, cross-analyzer triggering, pre-built configurations for common audio measurements and more USB ports. Finally, we've powered SR1+ with a fast new processor for faster measurements and more responsive operation.

There's one thing we haven't changed however—the price. SR1 is still the only research-grade audio analyzer available for under $10k, with features and performance matching analyzers costing three times as much.

SR1+ is available with the following new options:

Option 3: *1ppm Frequency Reference*—Includes an internal TCXO oscillator which improves the accuracy of SR1+'s internal frequency reference to ±1 ppm. ($250)

Option 4: *Ultra-Low Jitter Analyzer*— New jitter analyzer hardware reduces the residual jitter to ~8 ps for clock signals and ~20 ps for AES signals. ($1500)

Handle & Front Panel Cover Accessory—Provides a handle and protective front cover for carrying SR1 or SR1+. Incorporates back panel feet that allow the instrument to be operated vertically. ($300)

Introducing the......SR15 Serial Interface Adapter

$1800 (US List)

The SR15 Serial Interface Adapter (SIA) is designed to interface between the SR1 Audio Analyzer and various serial audio devices, such as ADCs, DACs and sample rate converters. A variety of serial interfaces are supported including: Simple DSP, I2S/Left/Right Justified and Multichannel (TDM). Timing, Master/Slave clocks and voltage levels can all be specified. In addition, a SPI/I2C interface is provided to simplify controlling different DUTs.

The SR15 SIA is controlled by SR1 over RS-232 or Ethernet. A simple control panel configures all of the SIA input and output features.

Input and Output

Output Mode	Simple DSP	I2S / Left Justified	Multichannel (TDM)
Output Wires	1-4	1-4	1-2
Channels / Wire	1	2	1 -128
Output Channels	1-4	2-8	1 -256

Channel Length: 8-32 bits

Word Length: 8-24 bits

Sample Rate: 24 – 216 kHz

MCLK, BCLK & LRCLK: Input or Output

I/O Voltage: 1.8, 2.5, 3.3, 5 V, CMOS and TTL thresholds

Data Orientation: LSB or MSB, Left or Right Justified, Adjustable Padding

Input and Output Formats, Sample Rates I/O voltages and Data Orientation are independent.

Signal Routing

Output: Each channel can be A, B (from SR1) or null.

Input: Any 2 channels can be assigned to A & B (to SR1)

Control Port

Format: SPI or I2C, output and input

I/O Voltage: 1.8, 2.5, 3.3, 5 V, CMOS and TTL thresholds

Physical

Dimensions: 17" x 1.75" x 11.5"

Weight: 5 lbs

Power: 10 W, 90 VAC to 264 VAC

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