

02.08.2011

USB Spectrum Analyzer X-Series

USB controlled Spectrum-Analyser Series - Extremly high Sensitivity (max. -170dBm/Hz) Wide Frequency Range from 1Hz - 9,4GHz (EMF & RF)

Included in Delivery:

- USB-Spectrum-Analyzer in a milled aluminum housing
- PC/MAC/LINUX USB-Analyzer-Software on CD
- OmniLOG 90200 radial isotropic Antenna (only HF V4 X)

邮编:100191

- International Power Supply incl. Adapterset
- Aaronia USB-Cable
- Aluminum Transportcase
- Cleaning Brush



Made in Germany

北京格网通信技术有限公司

地址:北京市海淀区花园路2号牡丹创业楼411室 电话:010-8223 7606 传真:010-8223 7609

网址:www.bjmesh.com

Specifications

SPECTRAN[®] **HF-6060 V4 X** (10MHz - 6GHz)

- 14Bit Dual-ADC
- DDC Hardware-Filter
- 150 MIPS DSP (CPU)
- Frequency range: 10MHz to 6GHz
- AVG Noise Level (DANL): -135dBm(1Hz)
- AVG Noise Level (DANL) PreAmp: -150dBm(1Hz)
- AbsMax Level: +10dBm
- Lowest possible SampleTime: 1mS
- Typ. accuracy: +/- 2dB
- Standards-conformant exposure limits (ICNIRP, BGV B11, BlmSchV etc.)
- Dimensions (L/W/D): (210x140x25) mm
- Weight: 700gr
- Warranty: 10 years

SPECTRAN[®] **HF-6080 V4** <u>X</u> (10MHz - 8GHz)

- 14Bit Dual-ADC
- DDC Hardware-Filter
- 150 MIPS DSP (CPU)
- Frequency range: 10MHz to 8GHz
- AVG Noise Level (DANL): -145dBm(1Hz)
- AVG Noise Level (DANL) PreAmp: -160dBm(1Hz)
- AbsMax Level: +10dBm
- Lowest possible SampleTime: 1mS
- Typ. accuracy: +/- 2dB
- Standards-conformant exposure limits (ICNIRP, BGV B11, BlmSchV etc.)
- Dimensions (L/W/D): (210x140x25) mm
- Weight: 700gr
- Warranty: 10 years

SPECTRAN® HF-60100 V4 X (1MHz - 9,4GHz)

- 14Bit Dual-ADC
- DDC Hardware-Filter
- 150 MIPS DSP (CPU)
- Frequency range: 1MHz to 9,4GHz
- AVG Noise Level (DANL): -155dBm(1Hz)
- AVG Noise Level (DANL) PreAmp: -170dBm(1Hz)
- AbsMax Level: +20dBm
- AbsMax Level: +40dBm (Option)
- Lowest possible SampleTime: 1mS
- Typ. accuracy: +/- 1dB
- Standards-conformant exposure limits (ICNIRP, BGV B11, BlmSchV etc.)
- Dimensions (L/W/D): (210x140x25) mm
- Weight: 700gr
- Warranty: 10 years

SPECTRAN[®] **NF-5030** <u>X</u> (1Hz - 1MHz/30MHz)

- Incl. Option 005 (12 Bit DDC Frequency Filter)
- 65 MSPS
- Frequency range: 1Hz to 1MHz (optional 30MHz)
- Typ. level range Analog in: 200nV to 200mV / -150dBm (Hz)
- Typ. accuracy: 3%
- Superfast FFT spectrum analysis
- High-performance DSP (Digital Signal Processor)
- DIN/VDE 0848 Exposure limit calculation!
- True RMS signal strength measurement
- Average (AVG) measurement
- Dimensions (L/W/D): (210x140x25) mm
- Weight: 700gr
- Warranty: 10 years







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Description



Spectrum Analysis from 1Hz - 9,4GHz

Find radiation sources in your surroundings. Find their respective frequencies and signal strengths, including PC-Software exposure limits display.

Due to the design and the associated shielding (3mm Aluminum housing) the Spectran X Desktop Analyzer is perfectly suitable for EMC measurements.

The highly complex calculations in spectrum analysis incl. exposure limit calculation is being performed by a highend Analysis Software which runs on almost all platforms (Windows, MAC OS, Linux).

Accurate, sensitive, affordable and beautiful exterior - what more could vou ask?

Highlights

Each Spectran X Desktop Spectrum Analyzer combines the following Highlights:

- 100% controlled by USB
- 100% powered by the external power supply
- Incl. OmniLOG 90200 Antenna (perfect to measure GSM or UMTS)
- 50 Ohm SMA input
- Internal speaker (which can be switched off)
- Audio out for the use of PC based FFT analyzer software
- Very good shielding (3mm aluminum housing)
- Highend, milled aluminum housing made of one piece (no cast







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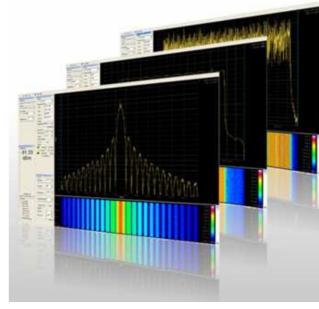
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Professional PC analysis software (included)

The included PC PRO Analyzer Software for the Spectran X Desktop Spectrum Analyzer offers a huge functionality:

- MULTI-device capability! Remote control of several SPECTRAN units. These can be controlled and their data displayed at once on a single PC.
- HIGH-RESOLUTION!, freely scalable, coloured spectrum display with falloff function..
- Display of channel identifiers! for EXACT identification of providers.
 Channel numbers etc. freely programmable and extensible!
- Up to 10! markers with frequency and level display.
- Intuitive zoom control with very comfortable frequency adjustment.
- High quality "waterfall"-display with TIMECODE. Colour scale freely configurable. Size freely scalable. Optional display of data DIRECTLY ON TOP OF THE GRAPH by pointing with your mouse and CTRL-clikking!
- High-resoution SLOT ANALYSER with 3D display!
- SUPER-LOGGER: ALL data can be written to disk continuously. File format is readable by spreadsheet applications, for creating custom reports, etc.
- Freely positionable windows for comfortable entry of frequency, RBW, sweeptime etc. etc.
- Various pre-defined profiles for DECT, UMTS, GSM, WLan etc. etc. for instant recall. Incl. optimal parameters and extensive channel information! Freely programmable and extensible!
- Independant main display with SIMULTANEOUS display of dBm, dBµV, V/m, W/m2 and A/m, each with AUTORANGE. Freely transposable and scalable.
- SUPERB exposure limit display with various profiles (ICNIRP, Salzburg precautionary values, ECOLOG, etc. etc.). Freely programmable with a virtually infinite amount of display options.
- Functionality to update SPECTRAN measurement device firmwares.
- Filemanager and COMPILER for creation and management of YOUR OWN PROGRAMS for SPECTRAN measurement devices.
- "Rename" option for renaming any of your SPECTRAN units (for example, including location) for better identification
- etc. etc. etc.



The PRO PC-Software for the SPECTRAN X

Included with delivery

- Desktop-Spectrum-Analyzer in a milled aluminum housing
- PC/MAC/LINUX Analyzer Software on CD
- OmniLOG 90200 Antenna (only HF V4 X)
- International Power Supply
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