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The WaveCapture team proudly presents

RT-Capture 2

RT-Capture is a Real Time Analyzer (RTA) combined with an SPL-meter (Sound Pressure Level). RT-Capture uses a standard PC-soundcard and supports measurements from two microphones.

RT-capture records a log-file with SPL-data (such as Leq, Lamax, Lamin) and make compressed sound recordings for self-governance of sound levels. The log-file can be watched graphically and audio can be played back from a cursor point in the graph. The SPL-measurement is validated to the IEC 61672 standard and other international standards.

Protocol according to several national standards can be printed. A scheduler can be set to email the log-file during logging.

KEY Features:

- RT-Capture uses a stereo soundcard and supports 2-channel measurements
- Built-in microphone calibration and frequency compensation
- All settings can be password-protected and can be saved to a User-preferences file
- SPL metering according to IEC 61672 standard
- Built-in weighting filters: A, C, AU and Z (flat)
- Selectable time response; Slow (1s) / Fast (0.125s)
- Instantaneous SPL Metering (RMS and Peak)
- Six different Equivalent Continuous SPL, Leq, are calculated simultaneously; Continuous, Current, Short time (User time), Remaining, Period and Running Leq
- All SPL data is event-logged and can be recorded to a log-file along with additional information
- Records compressed audio-files for verification, OGG file format
- Logging can be started by a scheduler

- Automatic filename generation
- SPL log-file can be printed in selected time period
- SPL log-file can be exported as tab-separated text format
- SPL log-file can be emailed periodically

RTA Features:

- Dual-channel real time spectrum analyzer and running Sonogram simultaneously in the same window
- 1/1 to 1/24 octave resolution RTA
- Real time spectrum analysis display of both inputs (individually, overlaid or RMS-sum)
- A novel Dynamic Difference RTA shows the power transfer function between the channels
- Staircase or Bar Graph display modes
- Selectable IEC or Scientific frequency scales
- -100 to 200 dB magnitude scaling
- Built-in, synchronised noise generator

SPL Display Features:

- User definable selection of display quantities
- One dedicated Leq value has user selectable time period (10s – 1h)
- “User Leq” is useful to verify sound level adjustments
- “Remaining Leq” gives a guide to how much there is left to reach a target Leq after the performance period
- Peak quantities like LCpeak, LCpeak-hold, LAFmax and LAFMax-hold can be displayed simultaneously
- Continuous and periodic Peak Counter: Counts if the peak quantities are above the limit

Requirements:

- PC with Windows 2000 SP4 or XP or Vista
- Soundcard with 2 inputs and 2 outputs, full duplex
- Omni directional measurement microphone and pre-amp