Brüel & Kjær

bulletin

PULSE Interface to Sony® SIR-1000 Type 7774

To Sony® SIR-1000 Owners – Reasons to be Cheerful

With any of the SIR-1000 family you have a state-of-the-art AIT (Advanced Intelligent Tape technology) recorder capable of recording on 4 – 128 channels simultaneously and to 20 kHz bandwidth. But it gets even better if you are making sound and vibration measurements as you can now analyse what you've recorded using PULSE.
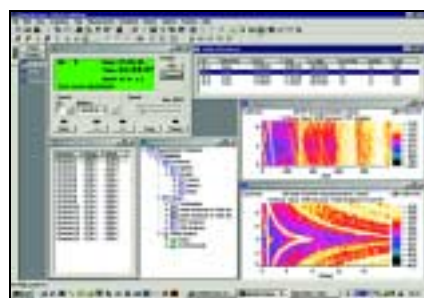
PULSE
PULSE™ is the Windows® sound and vibration multi-analyzer platform from Brüel & Kjær. The benchmark among Windows®-based analyzers, it boasts features like real-time multi-analysis (analysis types include FFT, 1/n-octave, overall levels and stationary loudness – all performed in parallel).

PULSE Interface to Sony® SIR-1000 Type 7774
The data is taken into PULSE using Type 7774. This software allows data to be read directly into PULSE on your PC from a Sony tape streamer via a standard SCSI interface. Type 7774 provides an interface for

controlling the tape streamer allowing you to control playback and playback speed.

PULSE treats the data as if it was coming directly from a data acquisition front-end and analyses the data directly as it is being streamed from the tape streamer.

Freedom to Analyse
PULSE also covers a wide range of sound and vibration applications with a range of dedicated application packages. Combine this with the ability to export data in most common sound and vibration data formats, including a "bridge" to MATLAB™, and your SIR1000/PULSE combination forms the heart of a data acquisition and analysis system suitable for automotive, aerospace and other industrial applications.

Simple and Straightforward
The joy of this system lies in its simplicity. The common method of playing a DAT tape back through the input terminals of an analyzer ties up the DAT recorder and requires you to operate both the analyzer and the DAT recorder simultaneously. Not to mention that the data, by the time it reaches the analyzer, has gone from analog to digital to analog to digital once again. With Type 7774 the data goes straight from the tape in the streamer into Type 7774 where it is resampled in real-time and entered into PULSE.

A Complete Package
Brüel & Kjær supplies a range of other accessories that help you get more out of your SIR-1000 including the 16-channel DeltaTron® Conditioning Amplifier Type 2694 with full TEDS support.

Sony® AIT SIR-1000
- DC to 160 kHz (SIR 1000 W)
- Expandable up to 128 channels
- 2- to 32-hour recording and playback with variable tape speeds
- Over 80 dB dynamic range
- Compatible with AIT streamer via SCSI–2
- Easy data transfer to a PC

PULSE Interface to Sony® SIR-1000 Type 7774
- Useable with Sony® AIT Streamer type SDX-S300 or SDX-S500
- Supports all AIT tapes recorded with a SIR-1000
- Direct operation of AIT Streamer together with status notifications
- Frequency Range: 32 channels (SIR-1000(I)) to 20 kHz Up to 100 kHz (SIR 1000 W)
- Automatic setting of frequency range (information read from tape)
- Automatic input channel signal level setting (information read from tape)
- Overloads reported to PULSE automatically

16-channel IEPE Conditioning Amplifier Type 2694
- Up to 16 units connectable for parallel operation (256 channels)
- Fully supports IEEE P1451.4 Transducer Electronic Data Sheets (TEDS)
- Continuous logging of overloads
- Large dynamic range
- Optional user, interchangable filters
- DC or mains power
- Computer-controlled using supplied Windows NT®-based software
- Fits into a 19″ rack

Want to Know more? Check out our website at www.bksv.com

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