SeCorr 300 - PC OR LAPTOP FULLY DIGITAL CORRELATOR

SEWERIN
Technologies for leak detection.
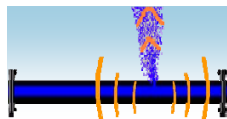
- If you have never considered a computer based correlator but are serious about locating water leaks think again; the fully digital SeCorr 300 could be just the tool you have been looking for

- The SeCorr® 300 is Sewerin's new fully digital correlator offering unprecedented performance in finding water leaks even on plastic pipes and trunk mains. The fully digital signal processing and data transmission largely eliminate the limitations experienced with conventional analogue correlators.

- The narrow bandwidth of analogue radio transmission no longer poses a restriction on transmitting water leak noise information. The noises recorded from the water leak are digitised directly at source, in the microphone, thus eliminating interfering feedback via the cables. This offers significant advantages, particularly on plastic pipes, where the water leak noise is, as a rule, very poorly transmitted and thus very quiet. The result is improved water leak detection in non metallic pipes, which are increasingly being used in water networks.

- Notebooks, Tough books and desktop PCs can be used to analyse the measurements. USB connections ensure the system can be easily connected to all computers. The SeCorr® 300 system offers you the best chance of finding those difficult to locate water leaks, even under the most difficult of conditions where other conventional correlators have reached the end of their detection limits.

RADIO TRANSMITTER

- The radio transmitter, RT 300, may be mounted on a tripod during correlation offering optimum radio performance. It doesn't matter if the radio transmitter is out of transmission range of the base station as the water leak noise is record by the transmitter and transmitted to the receiver as soon as radio connection is re-established.

- Thanks to a microphone holder on the tripod, the transmitter and microphone can easily be carried in one piece.

- The user can listen to the leak noise through headphones directly from the transmitter.

- The RT300s are ringed with a luminous strip and bright flashing LEDs make them highly visible even at night

- The high capacity rechargeable batteries last well over a normal working day

RADIO RECEIVER

- The RX 300 receiver receives signals from the transmitters and uploads them to the PC via a USB cable.

- The cable can be connected to any computer with a USB port.

- The receiver can be attached to a belt mounting clip

- The RX 300 features a rubberised magnet for use with a measuring vehicle. This holds the receiver on the roof of the vehicle without damaging the paintwork no need for the installation of a roof antenna An LED control lamp continually indicates the status of the RX 300.

SeCorr 300

PC / Laptop Fully Digital correlator

SeCorr 300
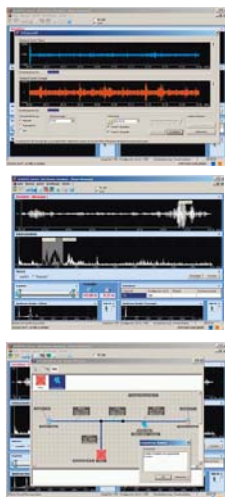
SOFTWARE

- Simple to use software - "standard" settings does it all for you
- Advanced software allows you to select the time section to be correlated, select the frequencies to view, isolate sections and view them in different ways
- Database - allows logical storing and retrieval of results
- Can be run on 64-bit operating systems thanks to .net 2.0, future-proof
- Actual leak noises are recorded; the post correlation tests are exactly the same as a live correlation
- There is the option of creating a noise archive for comparison purposes or to allow other users work with the stored leak noises post correlation
- Filters of up to 10 measurements with up to 5 filter groups; the results of different filter settings can be compared
- Input up to 5 different pipe sections and up to 3 freely definable extra materials; optimal flexibility as opposed to fixed standards - f or correlation professionals
- Easy drawing of test results to supplement measurement reports; optimal documentation for service companies

COMPUTER REQUIREMENTS

- Pentium 4 processor with 1.2 GHz minimum (1.8 GHz recommended)
- Minimum 512 MB DDR (recommended 1024 MB)
- Windows 2000 SP4, XP32/64 SP2, Vista 32/64
- Sound card
- Graphics card
- Minimum screen resolution 1024 x 768 pixel

MICROPHONES

- Combined dual microphones. One is excellent for low frequency sounds and the other wider ones
- Weight: 1.1 kg (incl. set of cables)
- Dimensions (W x H): 45 x 150 mm
- Operating temperature: -20 °C ... +80 °C
- Storage temperature: -30 °C ... +90 °C
- Type of protection: IP68
- Housing material: Stainless steel
- Signal processing: ADC with 2 x 24 bit (digital microphone)

HYDROPHONES

- Hydrophones are available to improve performance even further
- Hydrophones connect directly into the water column to improve the sound transmission
- These sensors are particularly useful when measuring trunk mains or plastic pipes

TRANSMITTERS

- Weight: 2.6 kg (incl. batteries)
- Dimensions (Ø x H): 110 x 215 (315) mm (excl./incl. antenna)
- Power supply: Rechargeable or disposable batteries (4 x D-cell)
- Operating time: Disposable: > 25 h; rechargeable up to 20 h (depending on type of battery)
- Operating temperature: -10 °C ... +40 °C
- Charging time: 3 h ... 7 h (depending on type of battery)
- Type of protection: IP64
- Housing material: Aluminium
- Connections: 3 sturdy, non-twist sockets for:- Charging, Microphone, Headphones.
- Data memory: 32 MB signal memory (40 minutes)
- Radio: 1.88 GHz ... 1.9 GHz (bidirectional/DECT/250 mW)