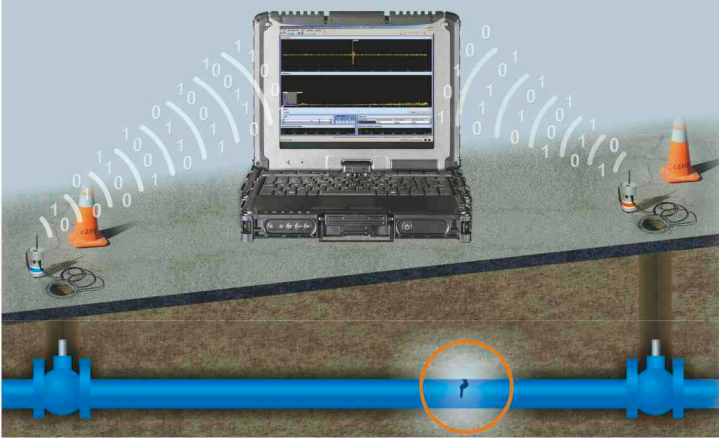


SeCorr® 300 – High precision all material correlator

The principle

The **SeCorr® 300** is a system of unprecedented quality to complement the existing product range. The fully digital signal processing and transmission by and large eliminates the interference which so often causes problems in conventional correlators.



Digital correlation

The digital radio eradicates the notorious hissing in transmission paths. Even the narrow bandwidth of analog modules no longer poses a restriction. The noises recorded from the leak are already digitized in the microphone thus eliminating feedback via the cables.

This produces significant advantages, particularly in plastic pipes, where the noise emitted from the leak is, as a rule, very poorly transmitted and thus very quiet. The result is improved leak coverage in non-metallic pipes, which is increasingly used nowadays in water pipe networks.

The hardware

Notebooks and desktop PCs can be used to analyze the measurements, as can Tablet PCs or field notebooks, for example, which have been specially designed for use in adverse conditions. Thanks to the USB standard, the system can be easily connected to the computers. Provided the computer is state-of-the-art, the **SeCorr® 300** system offers the user every possibility to produce optimal results, even under difficult conditions where conventional correlators would reach their limits.

Overview of basic functions

- Offline correlation – for long distance correlation outside the radio transmission range
- Different user modes – simple – standard – detailed
- Automatic sound velocity calculation
- Original noises can be recorded; there is the option of creating a noise archive for comparison purposes
- Automatic filtering (FFT) and interference suppression
- Filters of up to 10 types in up to 5 filter groups; the results of various, arbitrary 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 for correlation professionals
- Easy drawing of damage sketches to supplement measurement reports; optimal documentation for service companies
- Digital hydrophones set for long distance and/or large diameter pipes including fire hydrant quick adapters

