

Question:

Rodolfo Jimenez: What kind of sensor is use in the equipment? is it accelerometer??

Answer:

I am unsure which specific equipment you refer to so will answer for all products presented:

1. There are 3 types of sensor options for the LeakFinderST – An accelerometer, a geophone and a hydrophone. Each are used in different scenarios (pipe type, access availability etc...) to give the user the best chance to detect leaks.
 2. For EchoShore-M (Primary main surveying) there are two sensor type – Accelerometers and Hydrophones.
 3. EchoShore-TX (Primary main monitoring) uses a hydrophone, whereas EchoShore-DX (small pipes) is an accelerometer
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Question:

What mathematical computation is used to analyze the data acquired from the sensor to locate the distance of the leak?

Answer:

All systems presented use the cross correlation method to identify and pinpoint leaks. You can learn more about this here: <https://en.wikipedia.org/wiki/Cross-correlation>