



Ref: FAQ0162

Version: 1.0

Title – SoundSens sound velocity test

Made By: AB 17/09/15

(Issue 2)

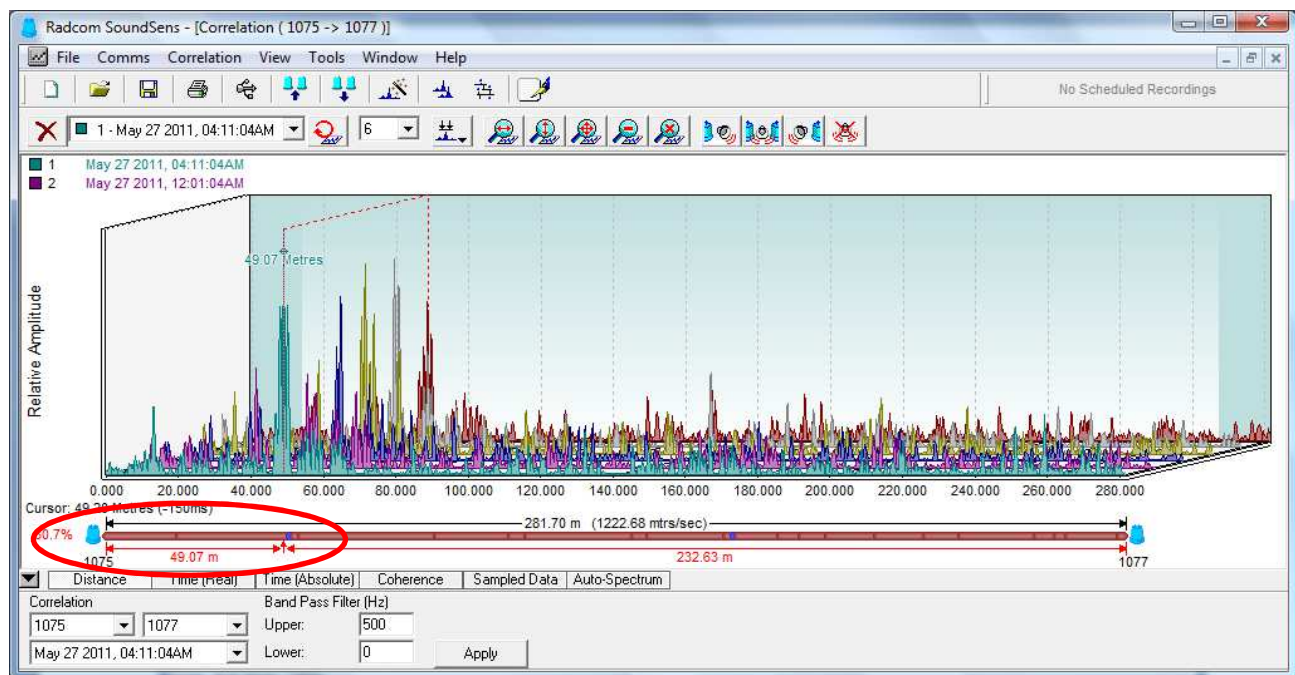
## How to establish the noise velocity value for an unknown pipe size or material composition

Carry out an exploratory SoundSens test with a known leak position in the pipe – (tap or hydrant opened to simulate a leak)

View the result as the graph below (leak induced at around 49 metres from one logger)

Use the cursor to measure the sound velocity from one logger to the leak (below it is 49.2 = 150ms)

Calculate sound velocity for the pipe – in this case it is 328m/second - enter this in the pipe properties (see below)



### Changing pipe properties.

On the pipe properties screen below – to enter your own pipe velocity uncheck the ‘Select from material’ database box -



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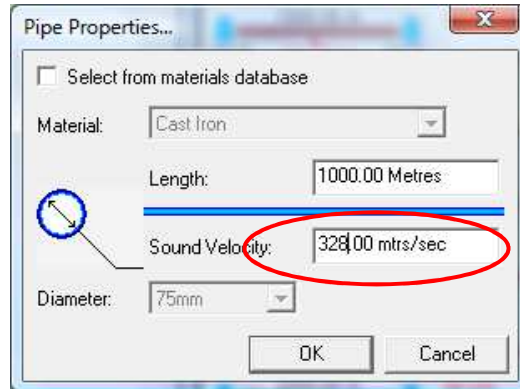
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Type in your own value in the sound velocity box



Then carry out a new test to establish a more accurate leak position

#### Document History:

Edition	Date of Issue	Modification	Notes
1st	19/04/15	Release	
2nd	17/09/15	Format update	