



REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
-	Initial Revision	9/17/08	LMS
1	Updated Missing Information	08/02/12	JEB

USING THE ZERO VELOCITIES FUNCTION IN ACMPRO

1. PURPOSE OF APPLICATION NOTE

The purpose of this Application Note is to explain the Zero Velocities Function in ACMPPro. This feature can only be used if the user has access to a test tank.

2. DESCRIPTION OF ZERO VELOCITIES FEATURE IN ACMPRO

The Zero Velocities feature allows users to zero velocities on FSI 2DACM, 3DACM, and 3DACM-Wave products. If you do not have access to a test tank or you have any questions, please contact Mike Lima at Falmouth Scientific, Inc.

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2.1. How the Zero Velocities Feature works

The Zero Velocities Feature computes delay in system for acoustic signals and applies offset correction.

2.2. Equipment needed to use Zero Velocities Feature

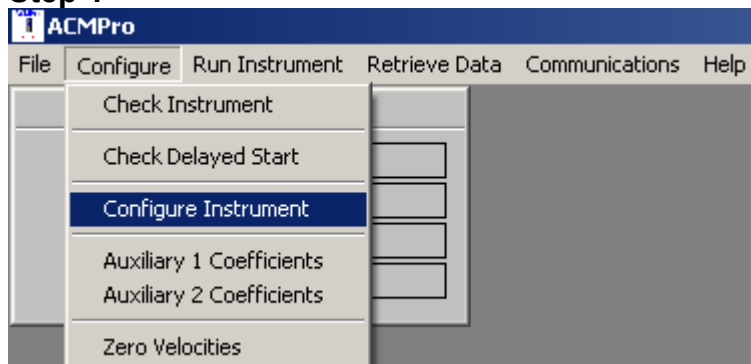
Computer with ACMPPro installed
Test tank filled with water
Test cable and power supply

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TITLE: USING THE ZERO VELOCITIES FUNCTION IN ACMPRO	
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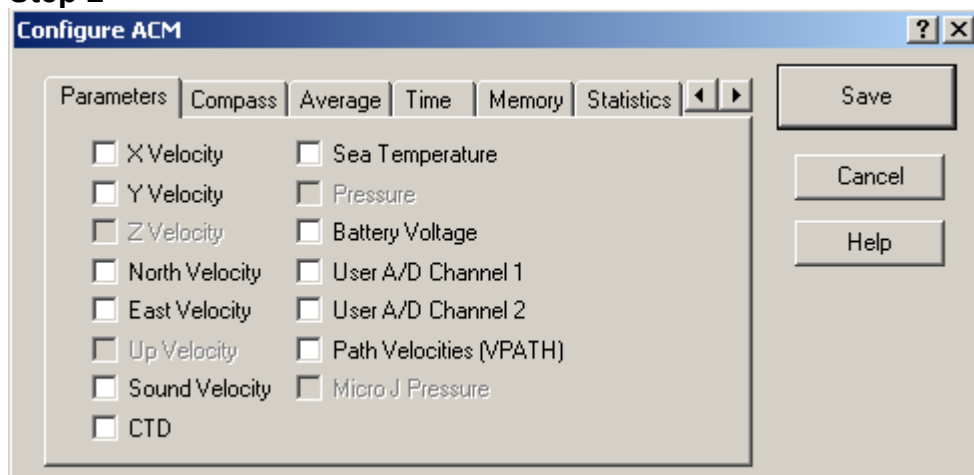
3. CONFIGURING ACM AND RUNNING ZERO VELOCITIES FEATURE

Step 1



Configure -> Configure Instrument

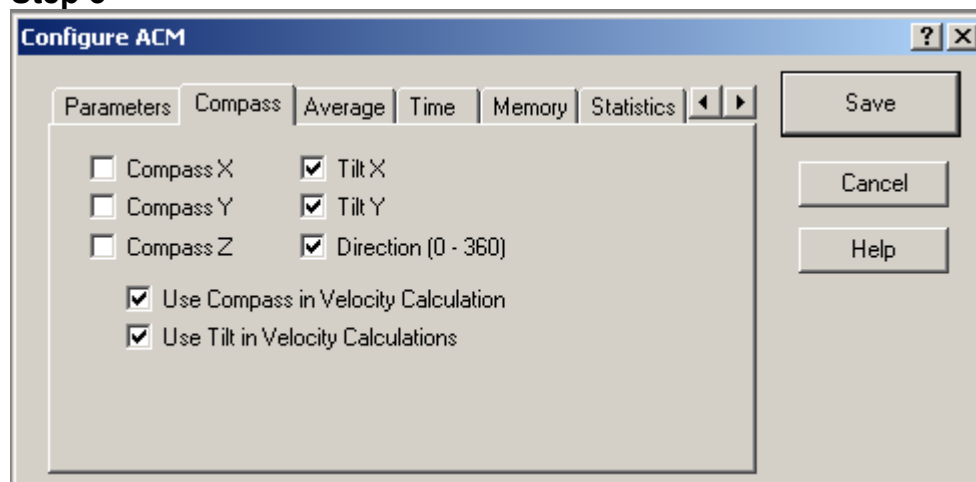
Step 2



Deselect all options in the Parameters Tab. Move onto Compass Tab

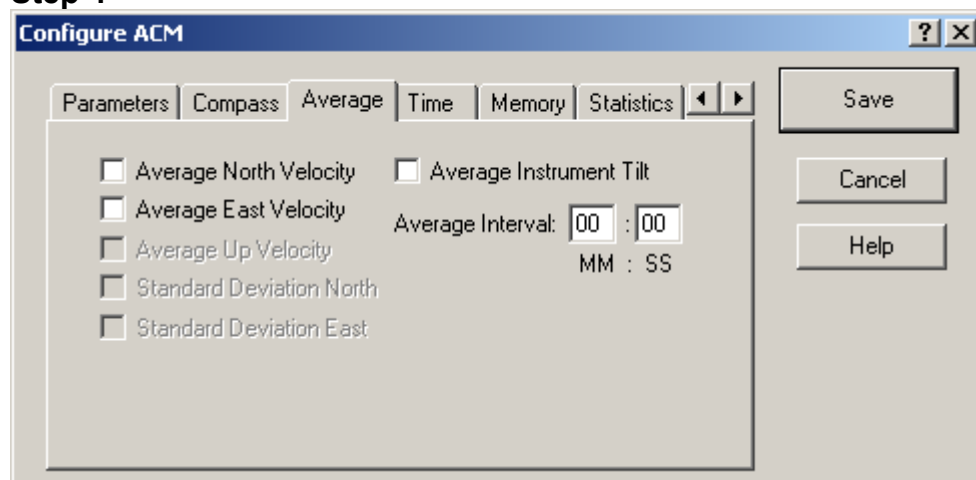


Step 3



Deselect Compass X,Y,Z. Move onto Average Tab

Step 4

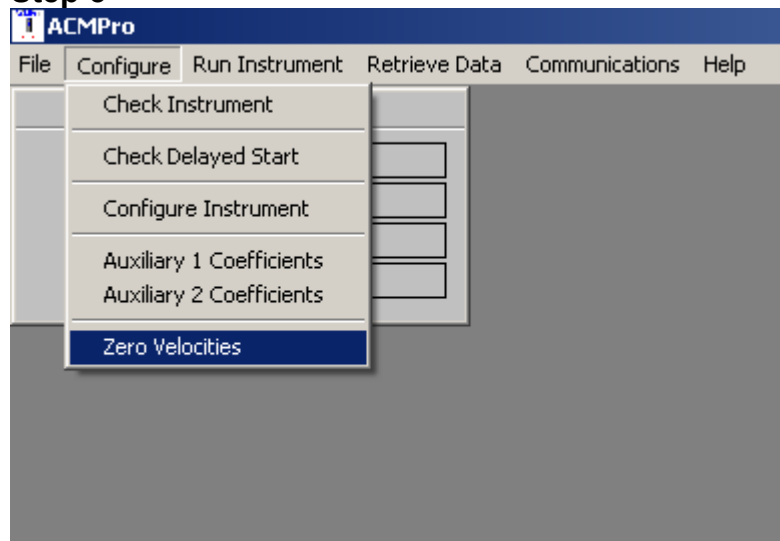


Deselect Average North Velocity, East Velocity and Instrument Tilt.

Select "Save"

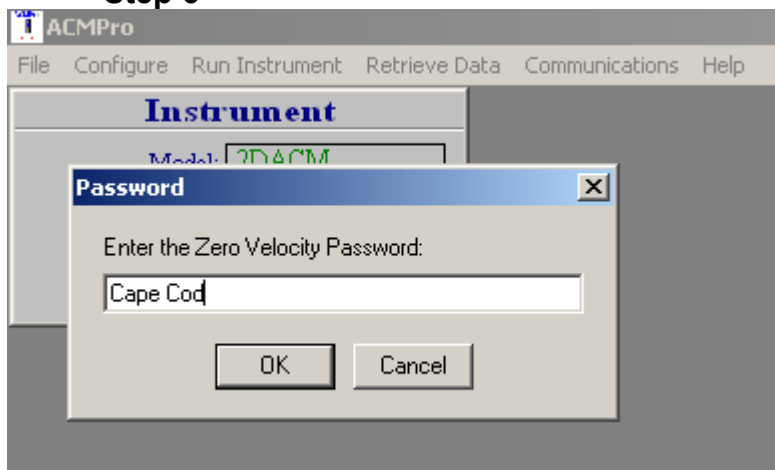


Step 5



Configure->Zero Velocities

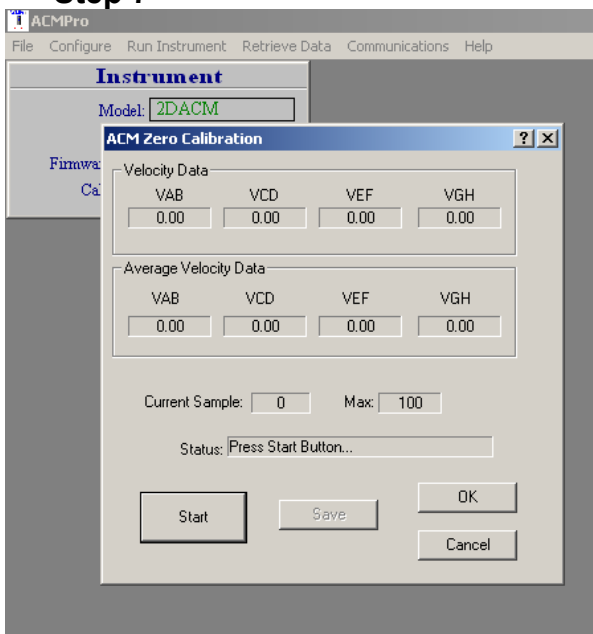
Step 6



Enter Password. "Cape Cod"



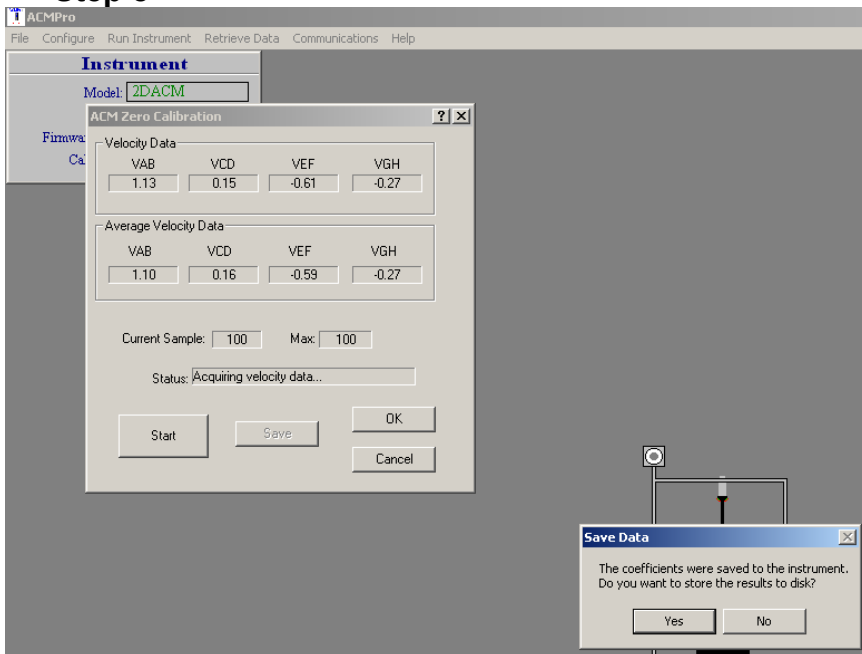
Step 7



Select "Start"

Software will run 100 scans before going to next step.

Step 8

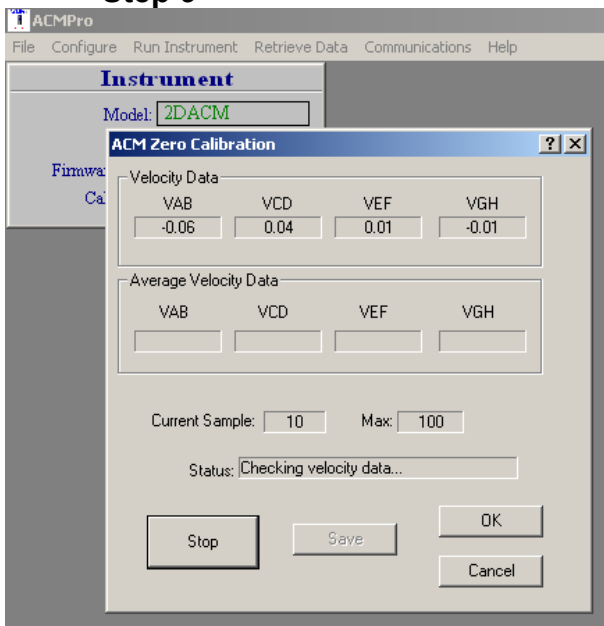


Select "Yes" if data is to be copied onto floppy disk.

Select "No" if you do not want to copy data to floppy disk.

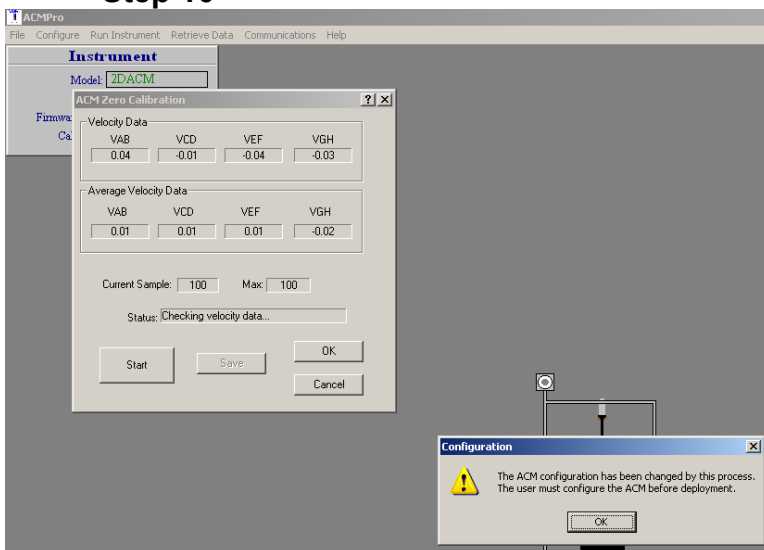


Step 9



Wait while Velocities are verified. Software will run 100 Scans.

Step 10

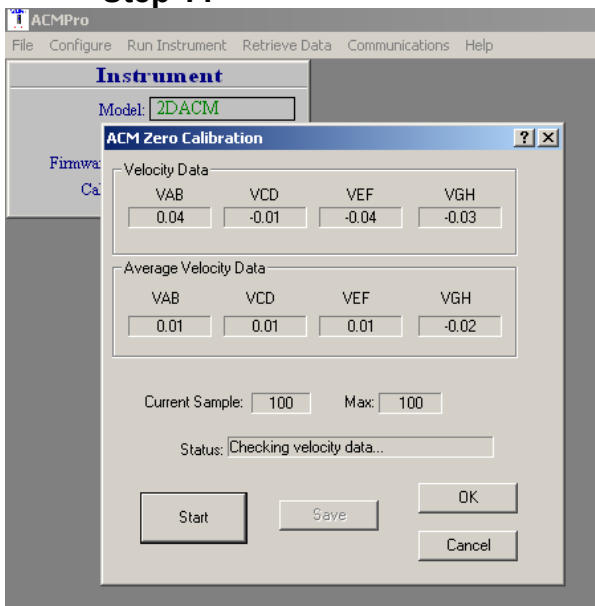


Select "OK"

Note: All velocities will be below 1 magnitude

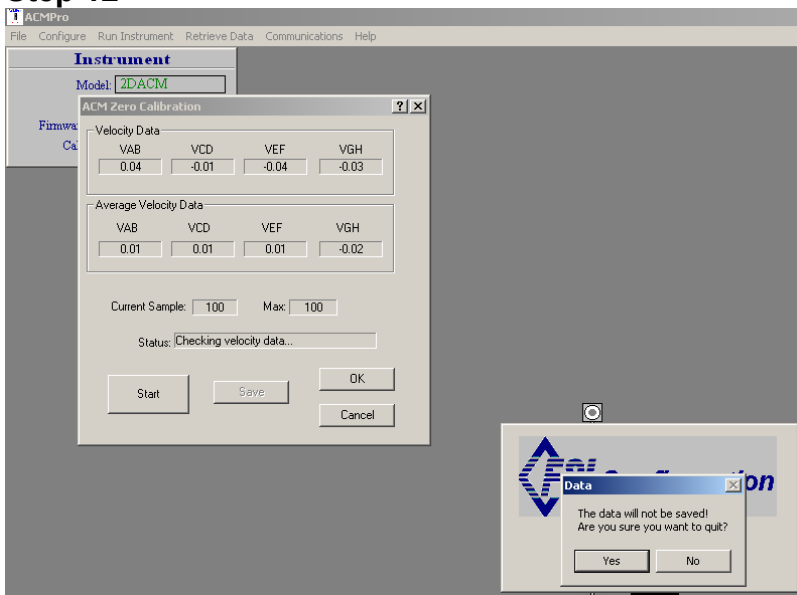


Step 11



Select "OK"

Step 12



Select "Yes"

Step 13

Reconfigure ACM prior to deployment or exit ACMPPro.

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