

	SONARtrac [®] Technical Note	
	TN0007 Subject: Setting and Changing Calibration Coefficients	Date: 08Oct25
		Revision 03
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Question:

How do I change the sensor band calibration coefficients in the transmitter?

(Section **A** – legacy SONARtrac, Section **B** - SONARtrac digital)



legacy SONARtrac



SONARtrac digital

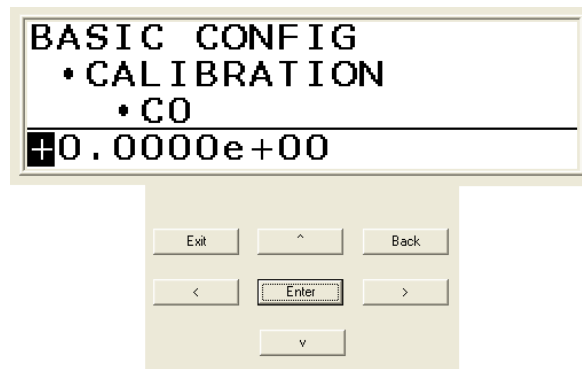
Answer:

A. The sensor band calibration coefficients are easily changed from the transmitter keypad. Proceed as follows

1. Press any key (except ENTER) on the transmitter keypad and the meter will go into Menu Mode and 'BASIC CONFIG' will appear on Line 1 of the display.
 2. Press the **ENTER** key and '→SENSOR SERIAL #' will appear on Line 2 of the display.
 3. Press the ↓ key until 'CALIBRATION' appears on Line 2 of the display.
 4. Press the **ENTER** key and '→CO' will appear on Line 3 and a value will appear on Line 4 of the display.
 5. Press the **ENTER** key and the + or – will be highlighted on Line 4. Use the ↓ and ↑ keys to change the value of each digit. Use the → or ← keys to scroll to each digit.
- Note: The values on Line 4 are displayed in Scientific Notation. When entering the values, enter them as shown on the sensor band calibration tag and set the final digits to 'e+00'.

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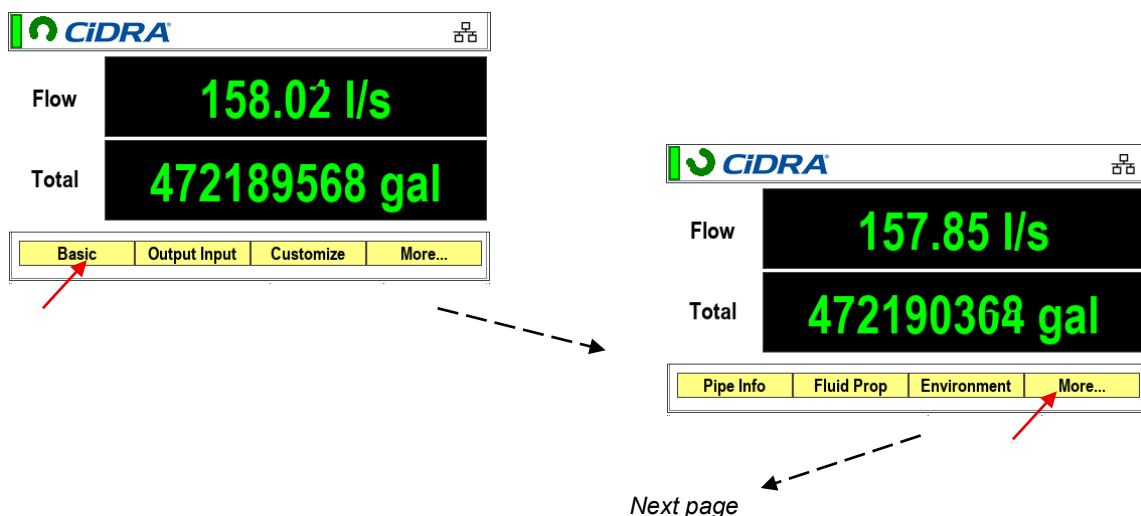
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6. Press the **ENTER** key when the values have been set and the display will update and show the new value.
7. Press the ↓ key and '→C1' will appear on Line 3 and the values for C1 on Line 4. Press the **ENTER** key to access and change the C1 value on Line 4.
8. Press the ↓ key and '→C2' will appear on Line 3 and the values for C2 on Line 4. Press the **ENTER** key to access and change the C2 value on Line 4.
9. Verify the new values are correct by using the ↓ key and scroll through the values.
10. Press the **EXIT** key to return the meter to Operational Mode

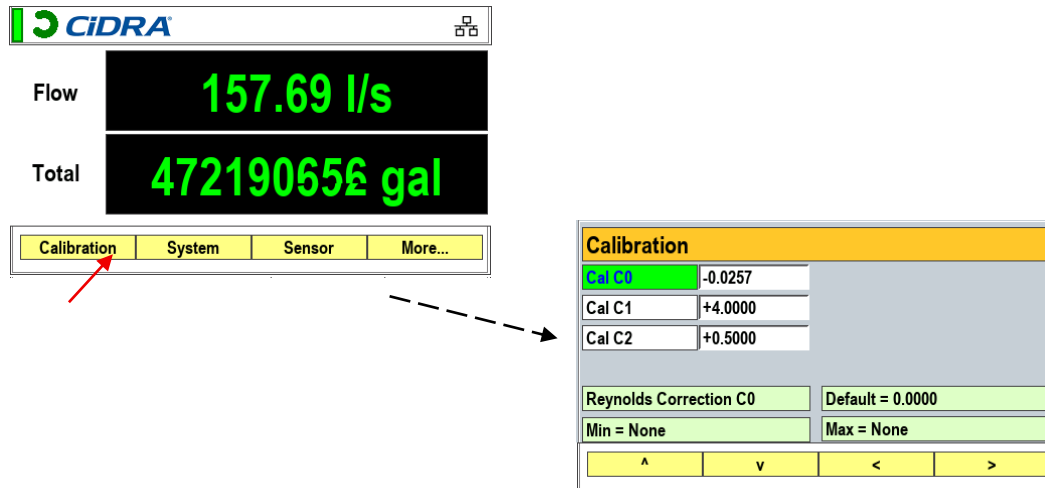
B. For SONARtrac digital

1. Press any of the lower four soft keys to get menu options
2. Navigate to the Calibration sub menu within the Basic top level menu option



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3. Use the arrow and Enter keys to select, adjust the coefficient values, and set the new values

Please contact CiDRA Technical Support if there are any questions.

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Revision History

Rev	Date	Changed By	Approved By	Change Description
01	28Aug07	B. Markoja	M. Sapack	Initial Release
02	29Jul08	B. Markoja	B. Markoja	Revision #2
03	08Oct25	Griffin	Griffin	Added info on <i>SONARtrac digital</i>

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