

***Interactive comment on “Sensors and instruments  
for oceanic dissolved carbon measurements” by  
U. Schuster et al.***

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Page 501, lines 11 and 12 state:

"temperature and pressure within the equilibrator need to be measured to within  $\pm 0.1$  C and  $\pm 1$  mbar, respectively"

Neither of these stated accuracies are adequate. At 400 ppm a temperature error of 0.1 C gives an error of 1.7 ppm in CO<sub>2</sub>. An error of 1 mbar in equilibrator pressure gives an error of 0.4 ppm in CO<sub>2</sub>. I would suggest that temperature should be measured to 0.01 C and pressure to 0.2 mbar.

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Interactive comment on Ocean Sci. Discuss., 6, 491, 2009.

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