



## ***Interactive comment on* “Technical Note: Calibration instrument for the krypton hygrometer KH20” by T. Foken and H. Falke**

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First of all we want to thank the reviewer for his helpful comments. We have adopted his technical and language corrections, except where special remarks are given below:

p1701,l21-22: How can this be done? Insert Eq. (8) already here together with its explanation as part of the theory.

Eq. (8) has now been included in Chapter 2.2.

p1702,l12: To what extent does the pathlength inside the sensor before the optical windows affect the calibration?

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Neither oxygen nor water vapour is present inside the krypton lamp and the receiver (there is nearly a vacuum).

p1706,l5: less cost intensive than what? Maybe make two sentences: 1) under extreme conditions, the KH20 is a useful tool. 2) The application of the proposed calibration instrument is less cost intensive than ...

We have reformulated the last sentence.

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Interactive comment on Atmos. Meas. Tech. Discuss., 5, 1695, 2012.

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