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Atmospheric Measurement Techniques Discussions

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?

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.

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