

Interactive comment on “Feasibility study of using a “travelling” CO₂ and CH₄ instrument to validate continuous in-situ measurement stations” by S. Hammer et al.

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Having a Travelling Comparison Instrument for greenhouse gas measurements would in the future certainly help with comparisons and has appealing advantages over traveling standards. While reading this discussion paper, and not being familiar with the Bruker FTIR, I was wondering a bit over some practical aspects, such as dimensions and weight of the instruments, or electrical power requirements. These seem not to be mentioned in this article, nor in [Griffith et al. 2012] or [Hammer et al 2012]. Such information might be trivial when operating an instrument in one laboratory, but becomes

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relevant when describing a travelling instrument.

Griffith, D. W. T., Deutscher, N. M., Caldow, C. G. R., Kettlewell, G., Riggenbach, M., and Hammer, S.: A Fourier transform infrared trace gas analyser for atmospheric applications, Atmos. Meas. Tech. Discuss., 5, 3717–3769, doi:10.5194/amtd-5-3717-2012, 2012.

Hammer, S., Griffith, D. W. T., Konrad, G., Vardag, S., Caldow, C., and Levin, I.: Assessment of a multi-species in-situ FTIR for precise atmospheric greenhouse gas observations, Atmos. Meas. Tech. Discuss., 5, 3645–3692, doi:10.5194/amtd-5-3645-2012, 2012.

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