

Interactive comment on “Portable Ozone Calibration Source Independent of Changes in Temperature, Pressure and Humidity for Research and Regulatory Applications” by John W. Birks et al.

Anonymous Referee #2

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The authors present a portable ozone calibration source that can serve as a transfer standard for the calibration of ozone monitors, e.g. those deployed in air quality monitoring stations (fulfils the requirements of a U.S. EPA level 4 transfer standard). The manuscript is very clear and well written and actually, it is complete and includes a thorough and interesting discussion about the effect of humidity on the generated O₃ mixing ratio. In fact, I did not found any errors or things that should be changed or corrected. Nevertheless, I'm reluctant in recommending the manuscript for publication in AMT, because it is a description (although very detailed and correct) of a commer-

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cial instrument. A good part of the information in the manuscript is already available on the 2B website within the product description of the Model 306 Ozone Calibration Source (<https://www.twobtech.com/model-306-ozone-cal-source.html>) and the operation manual that can be downloaded from the website (Figures 2, 3, 4 and Table 2 of the manuscript). I therefore think that the manuscript does not provide sufficient novel information to justify publication in a research journal like AMT. However, this is rather a political than a scientific or technical question and the decision should be taken by the Editor. Regarding content, the manuscript is fine.

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