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Interactive comment on "Technical note: An experimental setup to measure latent and sensible heat fluxes from (artificial) plant leaves" *by* Stanislaus J. Schymanski et al.

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We would like to thank the reviewer for the very positive assessment of the manuscript and helpful suggestions for further improvements.

Concerning Fig. 4, we realised that we did not actually provide the equations to compute net radiation from the sensor signals, which will be done in the revised manuscript by extending Appendix B3. We will refer to the equations in the figure caption. Thank you for pointing us to this omission.

Fig. 5 displays simplified equations for illustration of the general principle, whereas Appendix B1 contains the detailed equations. We will refer to the detailed equations in

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the figure caption, but we feel that it would overburden the figure and make the general approach less obvious if we provided the detailed equations in the figure.

We will go through the text again and include more explicit references to the respective equations where appropriate, also following the advice given in the detailed comments, which are very helpful. In this context, we would like to thank the referee for the very clear suggestions in the detailed comments, which will all be adopted in the revised manuscript. We will also cite Zwieniecki et al. (2016) along with the older citations for previous experiments with perforated surfaces, as this paper shows nicely that even today, experiments usually consider pores at scales orders of magnitude larger than stomata. We were not able to extract any additional relevant insights from the paper, as it does not discuss the leaf energy balance, which is the main focus of our manuscript.

Best regards,

Stan Schymanski, on behalf of all co-authors

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