

The authors would like to thank to the reviewer for helping to improve our manuscript with her/his comments and questions.

Our answers for the questions and comments can be found below:

In the abstract and introduction the authors claim that the upper detection limit of the system is about 85000 ppmV and is limited by the temperature of the psychoacoustic cells and tubing. The calibration of the system, and performance tests presented in the manuscript are limited to 20000 ppmV (Figs 3 and 5B). I suggest that the authors adjust abstract and introduction clearly writing that 85000 ppmV is a theoretical limit of performance and properties of the system are experimentally verified up to 20000 ppmV.

The suggested information have been added to the abstract.

1. The Introduction is almost a copy-paste of the abstract. In the present form it can be omitted. Please, either rewrite the introduction adding information or just skip the whole section.

The reviewer is right: accidentally the abstract was the same as the introduction, the authors do not understand why. Now the originally written introduction is in the manuscript.

2. p.6364 l.6 and p.6368 l.1 PT100 is not a thermistor, it is a classical standard platinum resistance thermometer.

The word „thermistor” have been replaced to „resistance temperature detector” both places.