

## Accepted Manuscript

Title: A novel approach towards calibrated measurement of trace gases using metal oxide semiconductor sensors

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PII: S0925-4005(16)31227-8  
DOI: <http://dx.doi.org/doi:10.1016/j.snb.2016.08.002>  
Reference: SNB 20681

To appear in: *Sensors and Actuators B*

Received date: 13-1-2016  
Revised date: 24-6-2016  
Accepted date: 1-8-2016

Please cite this article as: Caroline Schultealbert, Tobias Baur, Andreas Schütze, Stefan Böttcher, Tilman Sauerwald, A novel approach towards calibrated measurement of trace gases using metal oxide semiconductor sensors, *Sensors and Actuators B: Chemical* <http://dx.doi.org/10.1016/j.snb.2016.08.002>

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# A novel approach towards calibrated measurement of trace gases using metal oxide semiconductor sensors

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## Highlights:

- Quantitative measurement of VOCs based on a sensor model for temperature cycled operation of SnO<sub>2</sub>-based sensors
- In field calibration with small and transportable standards based on thermodynamic equilibrium
- Background independent quantification of trace gases also using a thermodynamic equilibrium

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