

MEO AIR ANALYTICS MEO

Use for which the evaluation was the best : All uses in indoor air

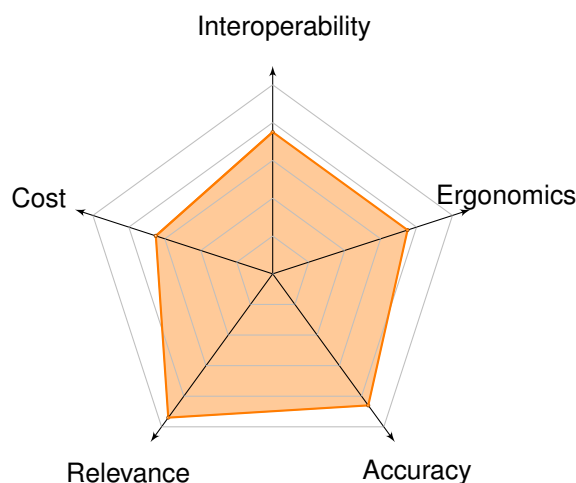
Jury's opinion

This multi-pollutant device is designed for measuring indoor air quality. In its latest version, the MEO includes also a CO₂ measurement. Its data quality is excellent for CO₂ and PM_{2.5}, very good for PM₁₀, and good for total VOCs. It is a very compact solution for the number of different targeted pollutants, however it is expensive compared to other similar devices.

IA ★★★★★



Evaluation



Measured pollutants

- | | |
|--|--|
| <input type="radio"/> CH ₂ O | <input type="radio"/> NO ₂ (NO _x) |
| <input type="radio"/> CO | <input type="radio"/> O ₃ |
| <input checked="" type="radio"/> CO ₂ | <input type="radio"/> PM ₁ |
| <input checked="" type="radio"/> VOC | <input checked="" type="radio"/> PM _{2.5} |
| <input type="radio"/> H ₂ S | <input checked="" type="radio"/> PM ₁₀ |
| <input type="radio"/> NH ₃ | <input type="radio"/> SO ₂ |
| <input type="radio"/> NO | <input type="radio"/> Particle number (concentration) |

Other measurements

- | | |
|--|--|
| <input checked="" type="radio"/> Temperature | <input type="radio"/> Atmospheric pressure |
| <input checked="" type="radio"/> Humidity | <input type="radio"/> Luminosity |
| <input type="radio"/> Odours | <input type="radio"/> Acoustic comfort |
| <input type="radio"/> GPS | <input type="radio"/> Anemometer |

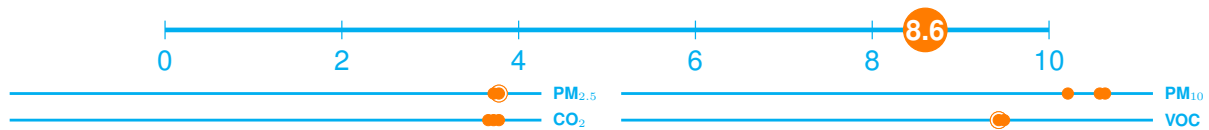
Data storage location : Europe

Detailed test results

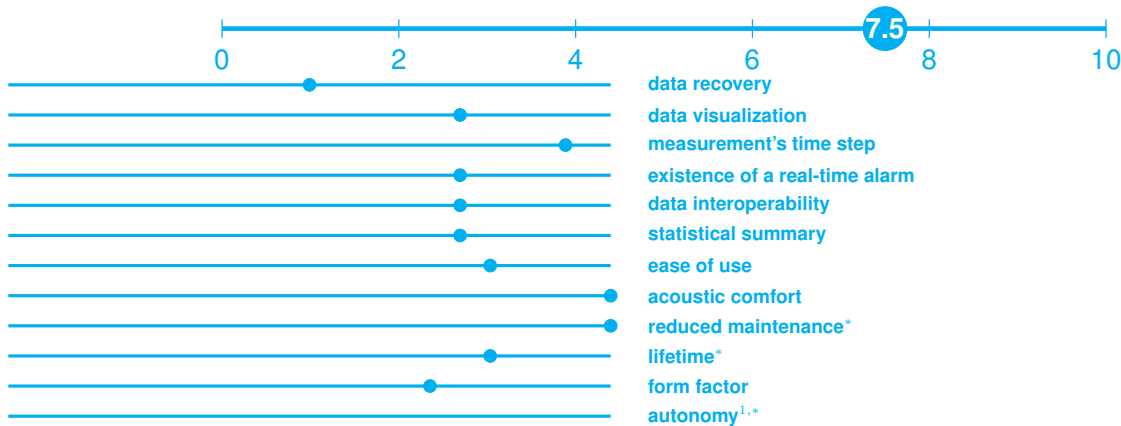
Evaluated uses :

- outdoor air
- indoor air
- mobility
- all uses

ACCURACY on 3 microsensors based on the SET method (Fishbain & al. 2017)



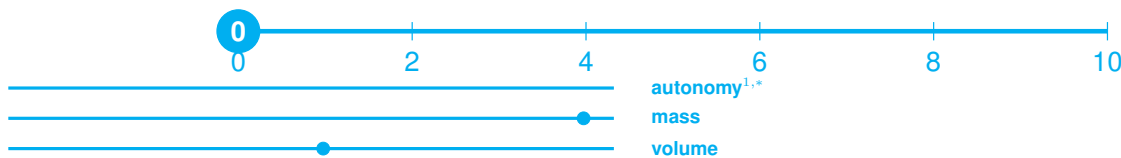
ERGONOMICS based on several sub-criteria (data visualization, ease of use, autonomy, ...)



RELEVANCE of the measured pollutants : number and stake of the sensor's measured pollutants in view of its competing categories (all IA categories)²



PORTABILITY^{1,*}



COST investment and running costs over 3 years



¹ Regarding mains-operated sensors, autonomy is **only** taken into account for portability

² The values on the graph correspond to the categories marked in bold

* This parameter was not directly evaluated : it was graded based on the manufacturer declaration

Entreprise/Company

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