Magnasci uRADMonitor model A3

Use for which sensor performance was best: IA-A, IA-M, IA-P, OA-A, OA-M

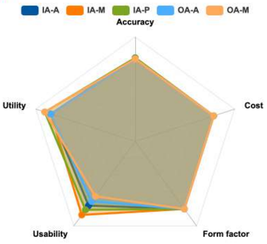
★★★★☆

Jury's opinion

The uRADMonitor model A3 is an easy to deploy, low-maintenance, versatile multi-pollutant measurement system that targets all categories of static outdoor and indoor applications at a very attractive price and in a relatively lightweight design. In outdoor settings, it provides excellent accuracy for PM1 and PM2.5, and very good for PM10, but poor accuracy for O3, which also suffered from a relatively low reproducibility. Indoors, its data quality is very good for CO2 and PM2.5, and good for PM1 and PM10. It manages an overall well balanced performance with relatively high utility scores and fair overall usability. Note: At the time of the evaluation, the VOC measurements were returned only in electrical units (not in concentration units) and could not be directly compared to our reference measurements.



Evaluation



Entreprise/Company

Magnasci SRL

2015

Romania, Dumbravita 307160, Jud.Timis, Str.Cocorului 23

N° SIREN RO35268562

www.uradmonitor.com

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Measured pollutants

- ☑ CH_2O
- ○ NO_2 (NO_x)
- ○ CO
- ☑ O_3
- ☑ CO_2
- ☑ PM_1
- ☑ VOC
- ☑ $PM_{2.5}$
- ○ H_2S
- ☑ PM_{10}
- ○ NH_3
- ○ SO_2
- ○ NO
- ○ Particle number (concentration)

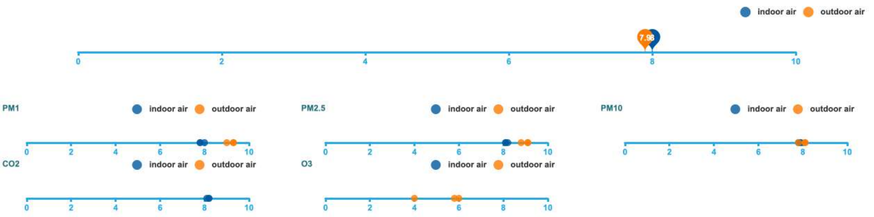
Other measurements

- ☑ Temperature
- ☑ Atmospheric pressure
- ☑ Humidity
- ○ Luminosity
- ○ Odours
- ☑ Acoustic comfort
- ○ GPS
- ○ Anemometer

Data storage location: EU and US

Detailed report

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



 # UTILITY the capacity of a sensor system to provide the essential functionalities for accomplishing the application objectives



 # USABILITY the ability of the candidate solution to provide the conditions for its users to perform the tasks safely, effectively, and efficiently while enjoying the experience



 # FORM FACTOR relates to how much of a physical burden the device represents for operations like transportation or installation



 # COST investment and running costs over 3 years

