uRADMonitor A3

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

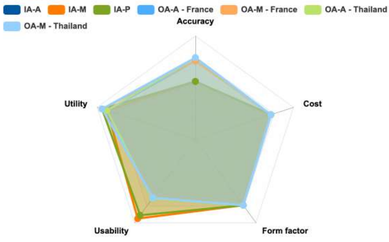
★★★★☆

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. Accross the two static outdoor settings, it provided good to very good accuracy for PM1 and PM2.5, and good for PM10, but poor to average accuracy for O3, which also suffered from a relatively low reproducibility. Indoors, it was heavily penalized by repeated connection issues on one of the three units.



Evaluation



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)
- ☐ BC
- ☐ WB

Other measurements

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

Data storage location: USA

Entreprise/Company

Magnasci SRL

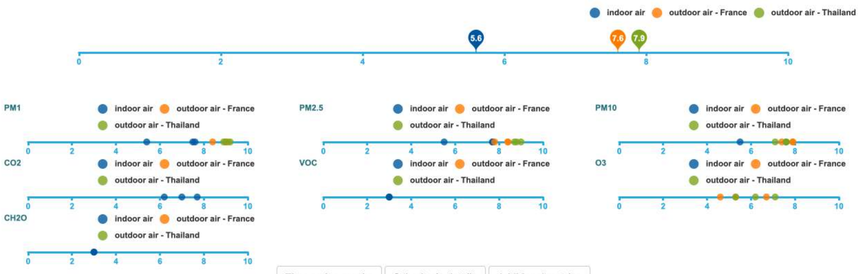
2015

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Dumbravita 307160, Romania

www.uradmonitor.com
/URADMonitor
@uRADMonitor

Detailed report

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

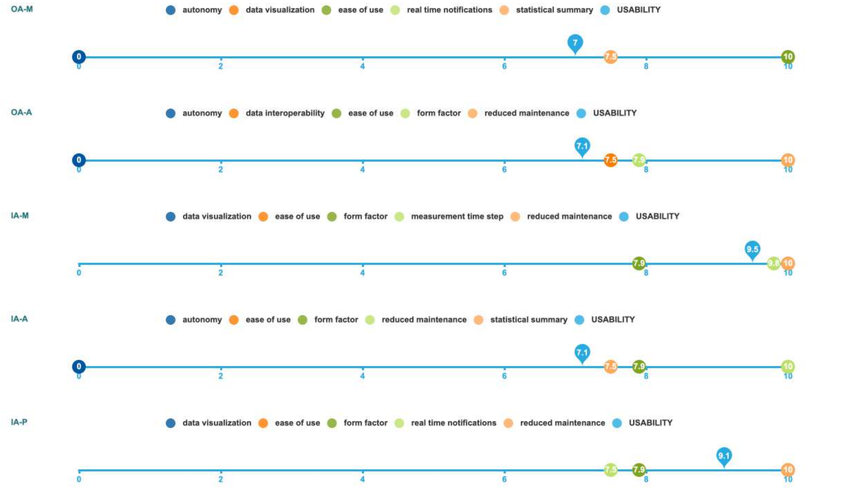


Time series graphs | Subcriteria details | Additional metrics

 # 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

