uRADMonitor CITY

Use for which sensor performance was best: OA-M - France

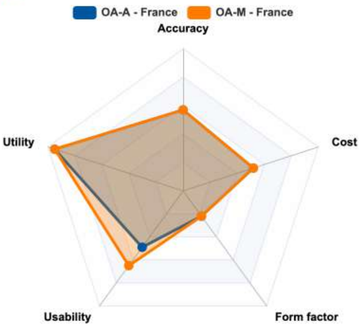
★★★½☆

Jury's opinion

The uRADMonitor CITY is a multi-polluant sensor system providing measurements for a comprehensive list of pollutants and targeting outdoor monitoring applications. It scores very well in terms of utility for this type of application, but is held back by its low accuracy, form factor and cost. Note: In the current edition its performance was heavily penalized by a prolonged malfunctioning of one of the sensor 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

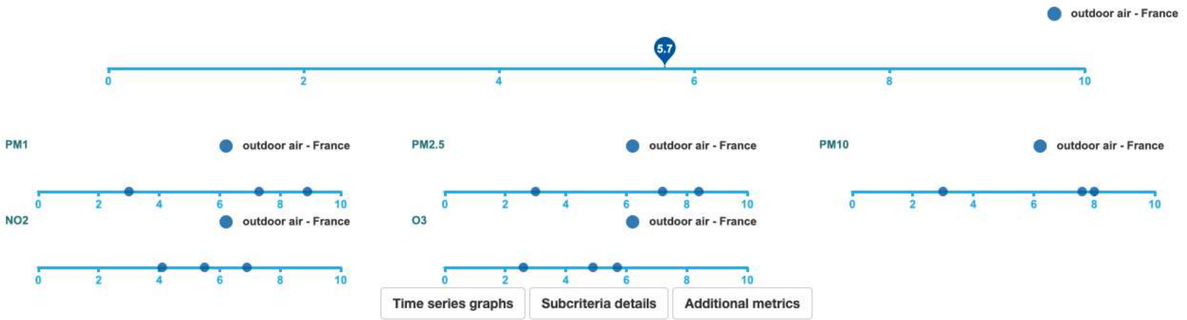
2015

Cocorului 23,
Dumbravita 307160, Romania

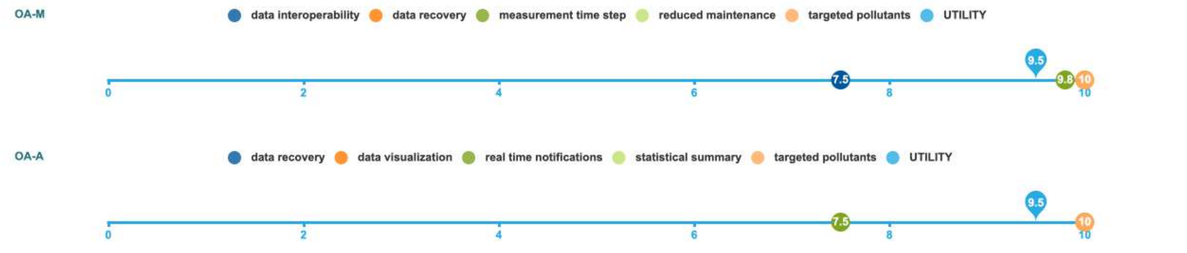
www.uradmonitor.com
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Detailed report

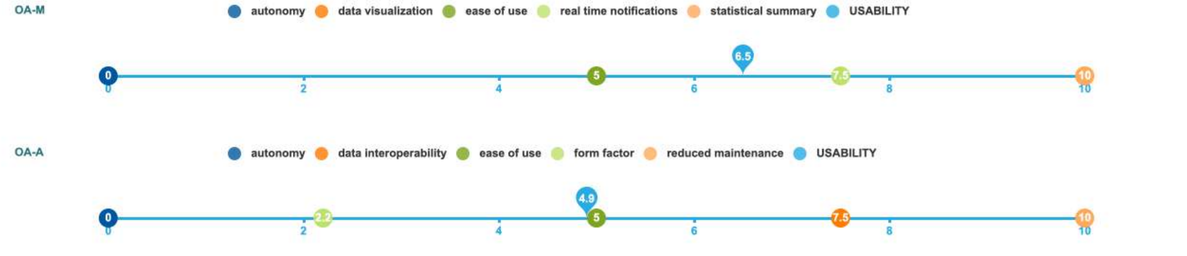
 # ACCURACY on 3 microsensors based on the SET method (Fishbain et al. 2017)



 # 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



AIRLAB