Candidate

Magnasci — uRADMonitor MODEL A3

Detailed report:

ON

With the participation of:

uRADMonitor MODEL A3

Magnasci

★★★★★ IA-URS

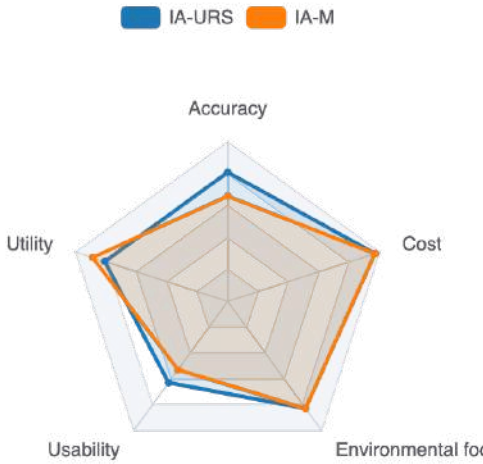
★★★★★ IA-M



Assessment summary

The uRADMonitor MODEL A3 is a compact multi-pollutant system measuring particulate matter, CO_2, O_3, VOCs and formaldehyde. It was evaluated in indoor non-specific and underground railway station applications, showing average overall accuracy indoors and very good accuracy in underground stations. It showed good to very good accuracy for PM_1, PM_{10}, $PM_{2.5}$ and CO_2, while VOC and formaldehyde accuracy remained limited. It combines very good utility and environmental performance with excellent cost performance. Usability remains an area with room for improvement. Its compact 170 g form factor is a practical advantage.

Evaluation



Measured pollutants

Particulate matter

- ☑ PM1
- ☑ PM2.5
- ☑ PM10
- ☐ Particle number

Nitrogen compounds

- ☐ NO
- ☐ NO2
- ☐ NH3

Oxidants

- ☑ O3
- ☐ SO2

Carbon compounds

- ☐ CO
- ☑ CO2
- ☑ VOCs

Other pollutants

- ☑ CH2O
- ☐ H2S
- ☐ Black Carbon
- ☐ Wood Burning

Company

MAGNASCI SRL ☐

Additional measurements

- ☑ Temperature
- ☑ Relative humidity
- ☑ Atmospheric pressure
- ☐ Wind

Founded: 2015

Dumbravita 307160, Timis, Romania

Registration number: RO35268562

www.uradmonitor.com (www.uradmonitor.com)

Social media

LinkedIn (https://www.linkedin.com/company/10961201)

@uradmonitor (https://x.com/uradmonitor)

uRADMonitor (https://www.facebook.com/uRADMonitor)

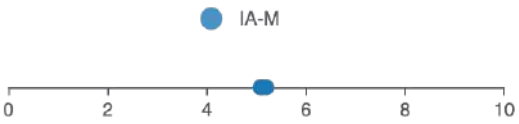
- [x] Sound intensity
- [ ] Geolocation
- [ ] Vibration
- [ ] Traffic counting
- [ ] Luminosity
- [ ] Odours
- [ ] Water quality

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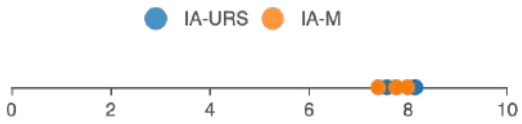
Accuracy



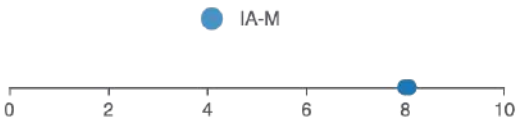
CH2O



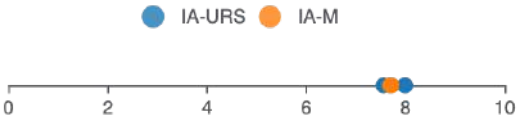
CO2



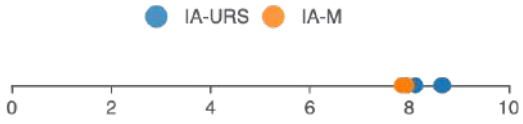
PM1



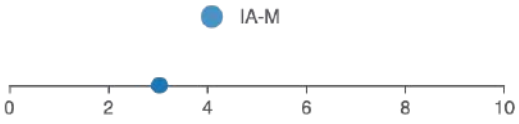
PM10



PM25



VOC

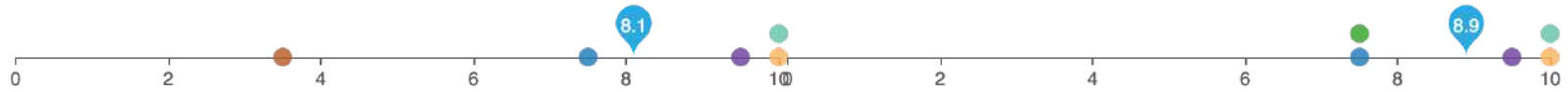


Time series graphs | **Subcriteria details** | **Additional metrics**

Utility

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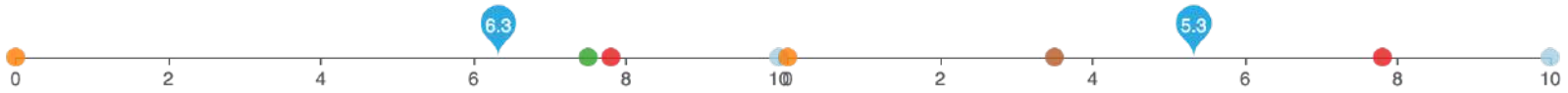
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Usability

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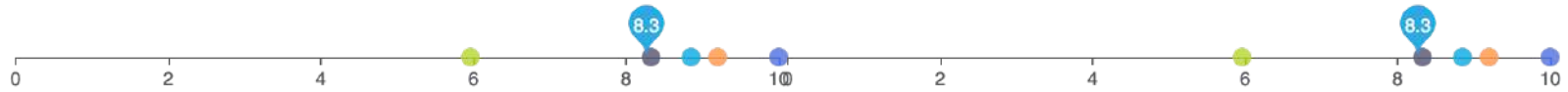
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Environmental footprint

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Cost




AIRLAB
SOLUTIONS
POUR
NOTRE
AIR