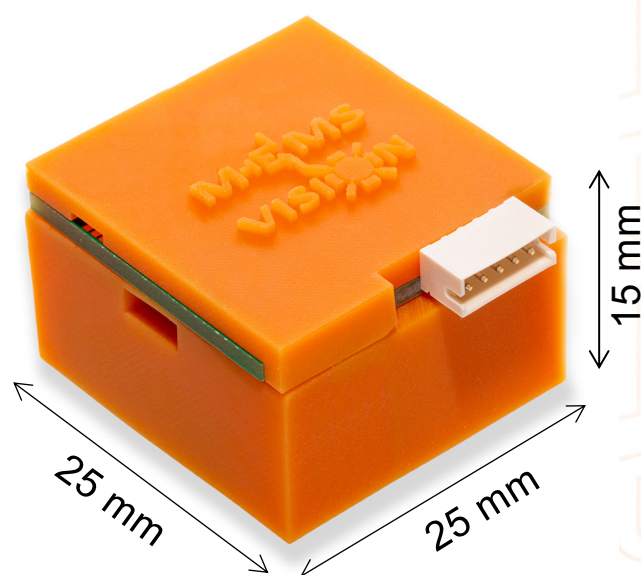


## PM2.5 Sensors

***World's Smallest True Mass-Concentration PM Sensors***

- Direct gravimetric mass concentration measurement
- Very compact size: World's smallest!
- Extremely low power
- Fast and real-time readings
- Proprietary reset / cleaning mechanisms to ensure long term reliability



## Applications:

- Air purifiers
- Indoor de-pollution systems
- Cabin comfort for automotive
- HVAC systems
- Industrial safety
- Smart home & IoT

***The Infinite Possibilities  
of the Infinitely Small™***

## PM2.5 SENSORS MVPM100 Series

The MVPM100 series of sensors embodies the latest advancements in microsystem technologies in order to bring the precision of the bulky golden-standard gravimetric particle sensors to a very compact scale.

As opposed to all of the optical-based counterparts, the MVPM100 sensor directly measures the weight of the particles. Its small size, accuracy, and low power consumption makes it the ideal sensor for a wide range of applications.

Measurement Range	0 to 1000 $\mu\text{g}/\text{m}^3$
Accuracy	10 $\mu\text{g}/\text{m}^3$
Temperature Range	-10 to 65 $^{\circ}\text{C}$
Supply Voltage	3 to 5.5 Vdc
Current Consumption	Idle: 200 $\mu\text{A}$ Active (1 meas./sec): 40 mA
Interface	I <sup>2</sup> C, UART
Size	25 × 25 × 15 mm <sup>3</sup>

\* Customization is available. Talk to us!

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## ABOUT MEMS VISION

Headquartered in Montreal, Canada, with offices around the world, MEMS VISION INTL. capitalizes on a strong portfolio of patents and intellectual property on MEMS and ASICs (integrated circuits), and a team of highly qualified personnel, to offer hardware and software smart sensing solutions to its customers and partners serving the Consumer, Industrial, Medical, and Automotive markets. Our products include sensors for humidity, temperature, absolute pressure, differential pressure, particulate matter, as well as ultrasonic sensors.

Our expertise in developing and manufacturing smart sensors, based on our proprietary MEMS, ASICs, and calibration technologies, enables us to deliver sensor solutions with very low power consumption, very small form factor, and a world class performance, all at competitive pricing.