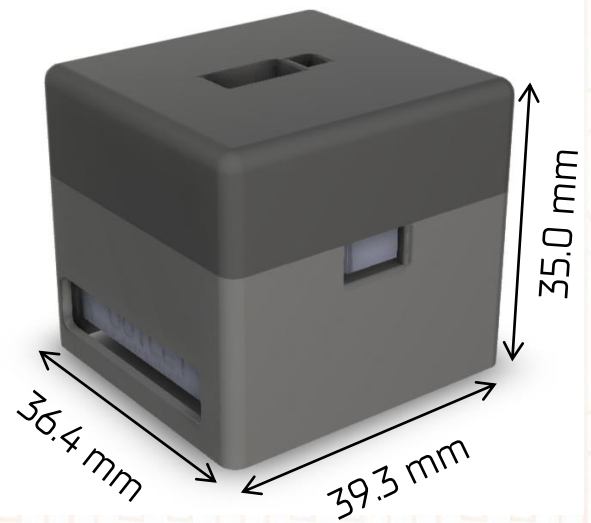


## PM2.5-10 SENSORS

*First Ever Miniature "True-Mass"*

- World's smallest gravimetric (direct-mass) PM2.5-10 sensors
- Best accuracies & most reliable in this class of sensors
- Proprietary cleaning mechanisms ensure repeatability and long-term reliability
- Fast real-time readings



## Applications

- Industrial safety
- HVAC systems
- Automotive / Transportation: Cabin comfort
- Air purifiers and indoor de-pollution systems
- Smart homes & IoT

**INNOVATING SENSORS**

**FOR A BETTER WORLD!**

## MVPM100 Series PM2.5-10 Sensors

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.

Contrary to all optical-based counterparts, the MVPM100 sensor directly measures the weight of the particles. Its small size and high accuracy make 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	4.5 to 5.5 Vdc
Current Consumption	Idle: 200 $\mu\text{A}$ Active: 260 mA
Interface	I <sup>2</sup> C, UART
Size	39.3 × 36.4 × 35.0 mm <sup>3</sup>

### **MEMS VISION INTERNATIONAL INC.**

5101 Buchan Street, Suite 301  
Montréal, QC H4P 2R9  
Canada

### **GENERAL ENQUIRIES**

Phone: +1 438-558-2940  
[www.mems-vision.com](http://www.mems-vision.com)  
[info@mems-vision.com](mailto:info@mems-vision.com)

### **ADDITIONAL SALES OFFICES**

China | [china@mems-vision.com](mailto:china@mems-vision.com)  
Korea | [david.suh@mems-vision.com](mailto:david.suh@mems-vision.com)

## **ABOUT MEMS VISION**

Headquartered in Montreal, Canada, with offices around the world, MEMS Vision 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 Industrial, Automotive, Medical, and Consumer markets. Our products include sensors for humidity, temperature, absolute pressure, particulate matter, differential pressure, 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.