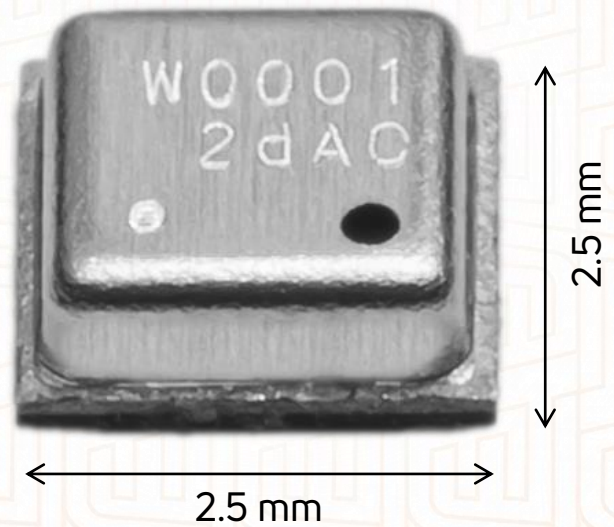


DIGITAL WEATHER STATION: PRESSURE + HUMIDITY + TEMP. SENSORS

World's Most Accurate Plug-and-Play WS Sensors

- World's most accurate H / T / P
- Lowest power 3-in-1 sensor:
 - 3.5x lower power (ultra-low sleep current <0.01uA)
- 2x better H&T accuracies
- Best plug-and-play, thanks to its on-chip calibration
- Outstanding long-term stability



Applications

- HVAC systems
- Building automation
- Weather stations
- Automotive: comfort, MAP, battery monitoring
- Smart medical inhalers
- Wellness
- Smart homes and appliances
- Drones
- Electronic cigarettes

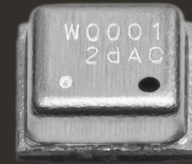
MoSiC[®]
Technology

INNOVATING SENSORS

FOR A BETTER WORLD!

MVWS4000 Series

Pressure, Humidity, and Temperature Sensors



The MVWS4000 series consists of highly accurate digital relative humidity, pressure, and temperature sensors, based on a proprietary Silicon Carbide (SiC) technology for improved reliability. These sensors are optimized for high performance and ultra-low power consumption. They are a perfect fit for demanding OEM and battery-powered applications. Different accuracy grades are available to meet your budget target!

RH Accuracy	± 1.5%
Pressure Accuracy	± 1.0 hPa
Temperature Accuracy	± 0.3°C
Long Term Stability	< 0.1 %RH/Yr < 1.0 hPa/Yr < 0.03 °C/Yr
Power Supply	1.71 to 3.6 Vdc
Current Consumption	< 0.01uA (sleep) < 1uA (1Hz, H+T+P, lowest power setting)
Output	Digital I ² C, SPI H+T: 8-to-14 bit resolution P: 17-to-20 bit resolution
Operation Range	0 to 100 %RH 300 to 1100 hPa -40 to 85 °C
Package Size	2.5 x 2.5 x 0.9 mm DFN

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
info@mems-vision.com

ADDITIONAL SALES OFFICES

China | china@mems-vision.com
 Korea | 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.