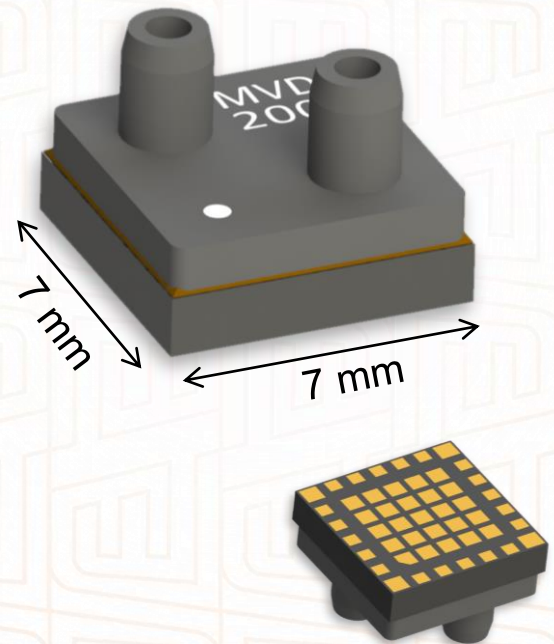


DIFFERENTIAL PRESSURE SENSORS

The Smallest Membrane-Based & Ultra Low Power

- 25x lower power (current consumption <0.1mA)
- Smallest capacitive membrane
- State-of-the-art stability & reliability
- No dust clogging and very low drift
- Very low cost - designed for mass production



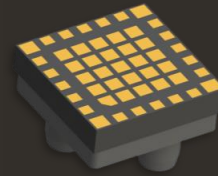
Applications

- HVAC / VAV
- Gas flow instrumentation
- Pressure transmitters
- Filter monitoring
- Level sensing
- Smart home appliances (e.g. coffee machines)
- Smart inhalers
- Blood pressure monitoring
- Sleep apnea monitoring
- Compression sleeves
- Respiratory equipment

INNOVATING SENSORS

FOR A BETTER WORLD!

MVDP2000 Series Differential Pressure Sensors



actual size
7 x 7 mm²

The MVDP2000 series consists of highly sensitive and stable differential pressure sensors, based on a proprietary capacitive sensing technology. These sensors are optimized for fast response and low power consumption and are housed in a very small 7 x 7 mm LGA package. They are a perfect fit for demanding OEM and portable applications, e.g. industrial, HVAC, automotive, medical, and consumer applications.

Measurement Range	±5, 25, 50 kPa
Total Error Band	< 1.0 %FS
Output	Digital I ² C, SPI, analog
Resolution	16-to-21 bit
Response Time	Down to 1.0 ms
Power Supply	2.7 to 5.5 Vdc
Current Consumption	< 0.1mA
Operating Range	-40 to 85°C
Other	Reflow solderable Ships in tape & reel

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.