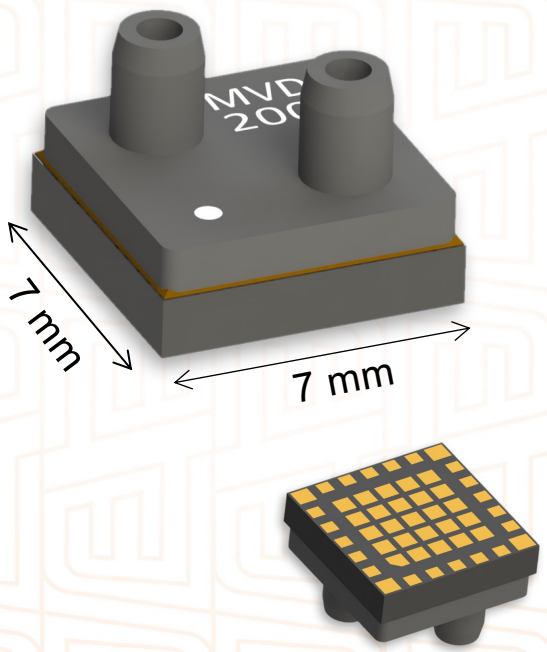
MEMS Vision
YOUR SMART SENSORS EXPERTS

Differential Pressure Sensor

- Proprietary capacitive pressure sensing technology for improved sensitivity and reliability
- Digitally calibrated over pressure and temperature
- Extremely low power
- Excellent long-term stability
- Small size and fast response
- Designed for mass production



Applications:

- Respiratory equipment
- Gas flow instrumentation
- HVAC / VAV
- Pressure transmitters
- Filter monitoring
- Level sensing

The Infinite Possibilities of the Infinitely Small ™

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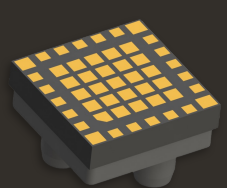
Differential Pressure Sensor MVDP2000 Series

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 DFN package. They are a perfect fit for demanding OEM and portable applications, e.g. Medical, HVAC, Industrial, and Automotive.

Measurement Range	±5, 25, 50 kPa
Total Error Band	< 1.5 %FS
Output	Digital I²C, 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

* Customization is available. Talk to us!



actual size
7 x 7 mm²

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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.