

# VAV Press Click



PID: MIKROE-4667

**VAV Press Click** is a compact add-on board that contains a board-mount pressure sensor. This board features the [LMIS025B](#), a low differential pressure sensor from [TE Connectivity Measurement Specialties](#). It is based on thermal flow measurement of gas through a micro-flow channel integrated within the sensor chip. The innovative LMI technology features superior sensitivity, especially for ultra-low pressures ranging from 0 to 25Pa. The extremely low gas flow through the sensor ensures high immunity to dust contamination, humidity, and long tubing compared to other flow-based pressure sensors. This Click board™ is suitable for pressure measurements in automotive applications, industrial and consumer applications.

VAV Press Click is supported by a [mikroSDK](#) compliant library, which includes functions that simplify software development. This [Click board™](#) comes as a fully tested product, ready to be used on a system equipped with the [mikroBUS™](#) socket.

Mikroe produces entire development toolchains for all major microcontroller architectures.

Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.



ISO 27001: 2013 certification of informational security management system.  
ISO 14001: 2015 certification of environmental management system.  
OHSAS 18001: 2008 certification of occupational health and safety management system.



ISO 9001: 2015 certification of quality management system (QMS).

## Specifications

Type	Pressure
Applications	Can be used for pressure measurements in automotive applications, industrial and consumer applications
On-board modules	LMIS025B - low differential pressure sensor that offers a digital output for reading pressure over the specified pressure span from First Sensor (part of TE Connectivity).
Key Features	Low power consumption, ultra-low pressure ranges, based on thermal microflow measurement, high flow impedance, outstanding long-term stability, on-chip temperature sensor, two modes of operations, and more
Interface	I2C
ClickID	No
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V

## Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

## Downloads

[VAV Press click 2D and 3D files](#)

[VAV Press Click schematic](#)

[LMIS025B datasheet](#)

[VAV Press click example on Libstock](#)

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