

Vibra Sense 2 Click



PID: MIKROE-4355

Vibra Sense 2 Click is a compact add-on board that contains a piezo sensor suitable for vibration measurements. This board features the LDT0-028K, a flexible 28 μm thick piezoelectric PVDF polymer film with screen-printed silver ink electrodes, laminated to a 0.125 mm polyester substrate, and fitted with two crimped contacts from TE Connectivity. The sensing element of the LDT0-028K comprises a cantilever beam loaded by an additional mass to offer high sensitivity at low frequencies. Some features of this Click board™ like flexibility, high sensitivity, and performance make it an excellent choice for vibrating sensing applications, security systems, body movement, and many more.

Vibra Sense 2 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	Force
Applications	Can be used for vibrating sensing applications, security systems, body movement, and many more.
On-board modules	Vibra Sense 2 Click is based on the LDT0-028K, a flexible 28 µm thick piezoelectric PVDF polymer film with screen-printed silver ink electrodes, laminated to a 0.125 mm polyester substrate, and fitted with two crimped contacts from TE Connectivity.
Key Features	Low power consumption, high sensitivity, excellent measuring performance, high receptivity for strong impacts with a wide dynamic range, and more.
Interface	I2C
ClickID	No
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

[Vibra Sense 2 click 2D and 3D files](#)

[Vibra Sense 2 click example on Libstock](#)

[MCP3221 datasheet](#)

[MCP6282 datasheet](#)

[Vibra Sense 2 click schematic](#)

[LDT0-028K datasheet](#)

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