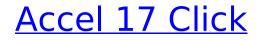MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia
VAT: SR105917343 Registration No. 20490918
Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com
www.mikroe.com

Accel 17 Click

PID: MIKROE-4855

Accel 17 Click is a compact add-on board that contains an acceleration sensor. This board features the MXC62320MP, a low-power digital output dual-axis accelerometer fabricated on a standard, submicron CMOS process from MEMSIC. The MXC62320MP can measure both dynamic acceleration (e.g., vibration) and static acceleration (e.g., gravity), with full-scale acceleration measurements, a range of ±2g, and a configurable host interface that supports I2C serial communication with 400kHz Fast Mode operation. This Click board™ is suitable for various applications such as vibration and condition monitoring, test and measurements, predictive maintenance, and more.

Accel 17 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.

Specifications

Type	Motion
Applications	Can be used for various applications such as vibration and condition monitoring, test and measurements, predictive maintenance, and more
On-board modules	MXC62320MP - low-power digital output dual-axis accelerometer fabricated on a standard, submicron CMOS process from MEMSIC
Key Features	Low power consumption, ±2 g dual axis accelerometer, embedded power up/down and self-test function, integrated temperature sensor and mixed signal processing, resolution better than 1mg, and more
Interface	I2C
ClickID	No
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click Boards™

Downloads

MXC62320MP datasheet

Accel 17 click 2D and 3D files

Accel 17 click schematic

Accel 17 click example on Libstock