

Axy-3

Micro 3-axis accelerometer with selectable acquisition frequency and measurement range and temperature sensor

Product description

Axy-3 is our smallest standalone accelerometer with data logger.

His small size makes it suitable for applications where weight and dimensions are critical.

Features

- Very small size and weight
- Customizable frequencies and *g* ranges
- Temperature logger
- *Datalogger* and *Realtime* working modes
- Very low consumption

Accessories

- Customized rechargeable battery
- FTDI USB data cable
- CD-ROM with *Axy Manager* user interface (for Microsoft *Windows XP* and *Windows7*, x86 and x64 architecture)

Electrical data

Feature	Value	Unit
Operating voltage	3.2 - 5	V
Power consumption (data logging 10-100Hz)	0.04 – 0.1	mA
Internal oscillator	8	MHz
Operating temperature	-25 – 80	°C

Accelerometer features

Feature	Value	Unit
Measurement <i>g</i> -range	+/- 2, 4, 8 and 16	<i>g</i>
Selectable acquisition frequencies	1, 10, 25, 50 and 100	Hz
Data resolution	8 and 10	Bit
Sensitivity at +/- 2, 4, and 8 <i>g</i>	15,30, and 60	Mg/LSB

Physical dimensions

Feature	Value	Unit
Width	9	mm
Height	15	mm
Thickness	4	mm
Weight	0.7	g