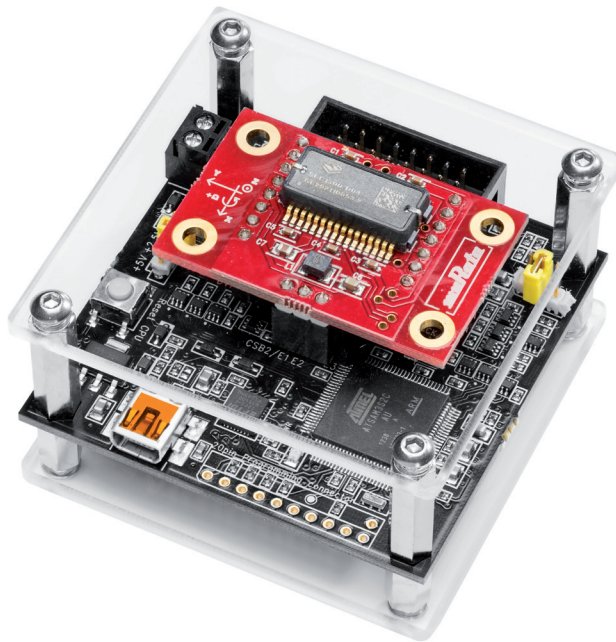


# MEMS Evaluation Unit



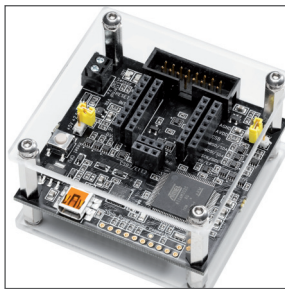
# MEMS Evaluation Unit

The Murata MEMS Evaluation Unit demonstrates the functionality and key properties of Murata MEMS Sensors. The Murata MEMS Evaluation Unit allows designers easily test the performance of Murata MEMS Accelerometers, Gyroscopes and Inclinometers.

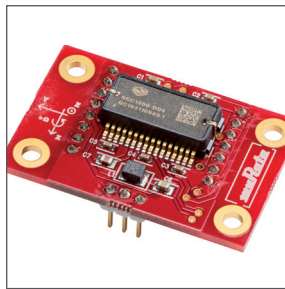
The Murata Digital Accelerometer and Gyroscope Sensors are available as chip carrier Sensor Boards and Analog Sensors as extension boards with high accuracy A/D converter.

## Key features

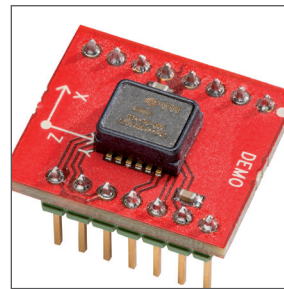
- Java based Graphical User Interface
- Sensor output in graphical format
- Data logging with time stamps
- Data rate and average calculation configuration options
- Powered from PC USB port or optionally from external 7...15 VDC power supply



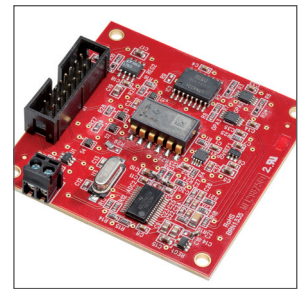
Interface Board  
MEMS EVAL BOARD



SCC1300 Sensor Board



Digital Accelerometer  
SCA8xx/21xx/31xx  
Sensor Board



Analog Acc/Inclinometer  
SCA10xx  
Sensor Board

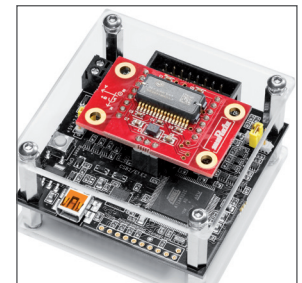
## Order information

Order Code	Description
MEMS EVAL BOARD	Interface Board (No Sensor Board included)

### Sensor Boards

Order Code	Description
SCA100T-D01-PCB	2 axis Inclinometer $\pm 30^\circ$
SCA100T-D02-PCB	2 axis Inclinometer $\pm 90^\circ$
SCA100T-D07-PCB	2 axis Accelerometer $\pm 12g$
SCA103T-D04-PCB	Diff. Inclinometer $\pm 15$
SCA103T-D05-PCB	Diff. Inclinometer $\pm 30^\circ$
SCA1000-N1000070-PCB	2 axis Accelerometer $\pm 4g$
SCA830-D07-PCB	Digital Inclinometer $\pm 90^\circ$
SCA830-D06-PCB	1 axis Accelerometer $\pm 2g$
SCA2100-D02-PCB	2 axis Accelerometer $\pm 2g$
SCA3100-D04-PCB	3 axis Accelerometer $\pm 2g$
SCA3100-D07-PCB	3 axis Accelerometer $\pm 6g$
SCC1300-D02-PWVB SCC1300-D04-PWVB	1 axis Gyro + 3 axis Accelerometer Combo

Ordering Note: MEMS Evaluation Unit needs both MEMS EVAL BOARD Interface Board and product specific Sensor Board. The same Interface Board can be used with all Sensor Boards.



Interface Board with  
SCC1300 Sensor Board

For more information, please refer to the product datasheets available ONLINE at [www.muratamems.fi](http://www.muratamems.fi)

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