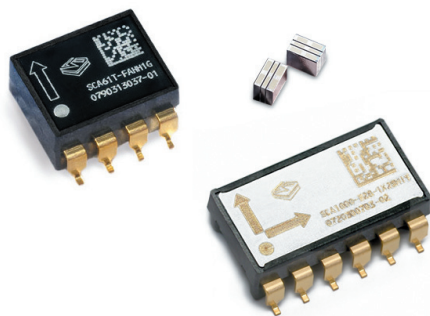


# SCA DEMO KIT



The SCA Demo Kits are designed for VTI Technologies (MEMS) accelerometers. They can be used for research and evaluation purposes in different applications where physical movement will be converted to an electrical signal.

The board contains two single-axis inclinometers and will support two external channels for extra sensors. No additional components are required to use the evaluation kit.

The kit can convert analog sensor voltages to a digital signal through a first order low pass filter and a 16-bit A/D converter. The signal is then transmitted to a PC through an RS-232 communication cable, which is included in the kit. Furthermore the sample-rate can be adjusted between 0,02Hz to 50Hz and up to 900Hz in the super fast mode.

## FEATURES

- Two SCA610-CB1H1G inclinometers on board,  $\pm 1g$  range
- Board supply voltage  $V_{dd}$  6-14V
- Typical current consumption 10mA
- Max. 16-bit A/D converter (resolution 0.076mV/bit)
- On board temperature sensor
- RS-232 communication
- LCD screen for a axis angle detection
- Supports all VTI SCA series sensors
- Open design

## APPLICATIONS

- Movement evaluation
- Development of new applications
- Sensor performance evaluation
- Can be used as a stand alone instrument

SCA DEMO KIT includes hardware, software and cables. For an additional cost, there is also a LCD Display available.

