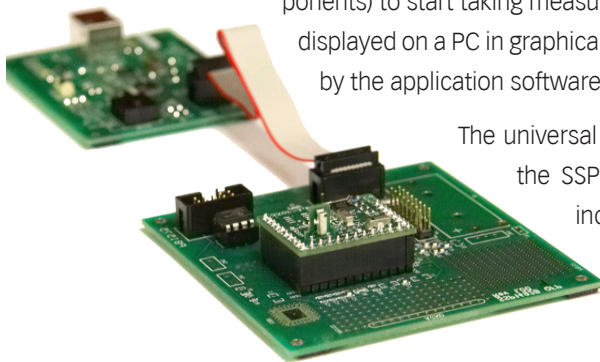


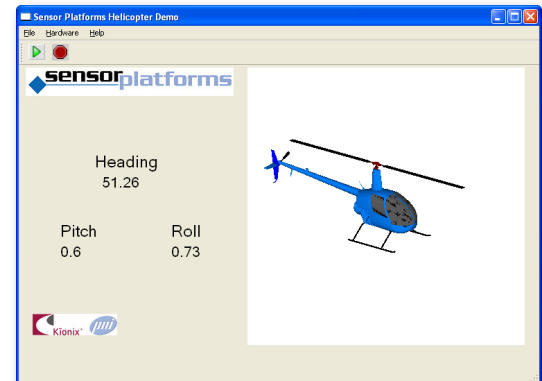
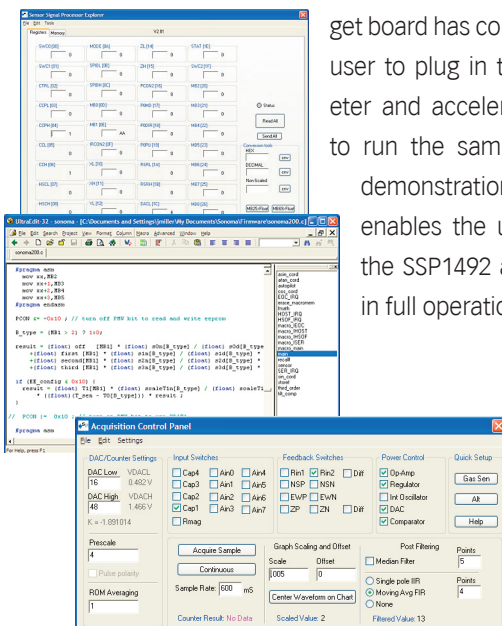
# SSP1492 Universal Sensor Interface Development and Evaluation Kit

## SSP1492 Hardware Development Kit

The development and evaluation kit provides the full suite of hardware and software development tools that allows the user to get their sensor application up and running within hours, not weeks. The user can connect up to 15 different sensor elements DIRECTLY to the 1492 (no need for any other electronic components) to start taking measurements which are displayed on a PC in graphical and numeric form by the application software that is provided.



The universal prototype area on the SSP1492 target board includes general purpose pads and through-holes that can accommodate leaded, surface mount, as well as die (wire-bondable) sensor elements. Additionally, the SSP1492 target board has connectors which allow the user to plug in the included magnetometer and accelerometer daughter board to run the sample "Helicopter Control" demonstration (also included). This enables the user to experience both the SSP1492 and the development kit in full operation right "out of the box".



## Development Tools

Software tools include complete access to all registers, RAM, ROM and EEPROM. The acquisition software displays a graph of the sensor channels over time and allows you to tweak parameters to optimize the measurement. Included are configuration files, templates and example code for the freeware C Compiler and IDE (included).

## In The Box

The development kit includes:

- USB interface and serial EEPROM burner
- Data acquisition and control software
- Sensor board with
  - Three SEN S65 magnetometers from PNI, Inc.
  - KXP84 tri-axis accelerometer from Kionix, Inc.

