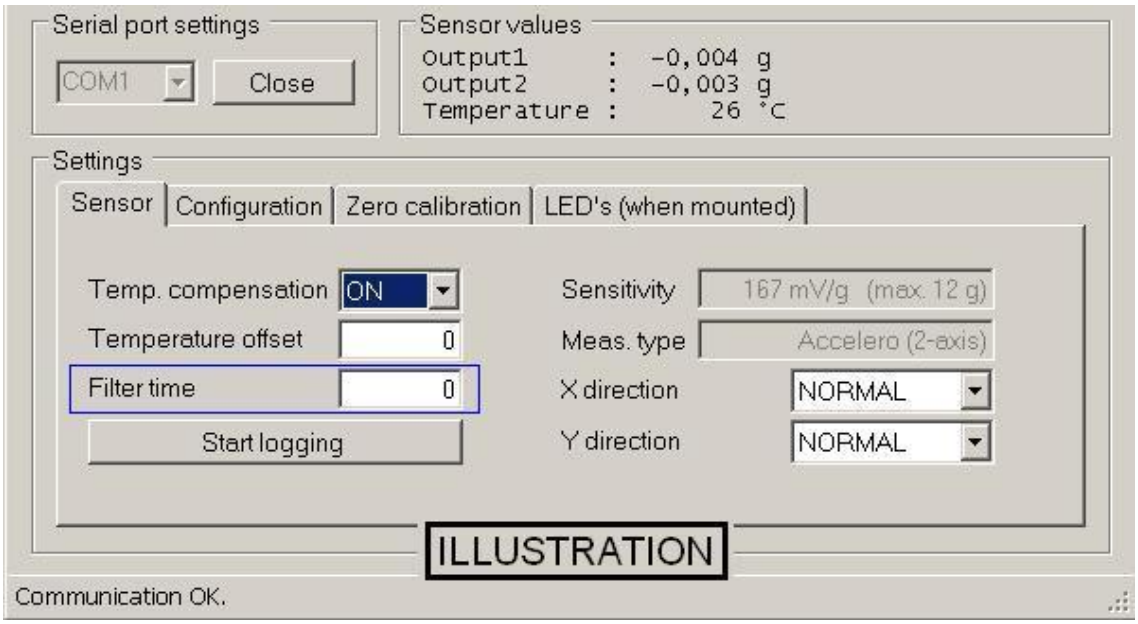
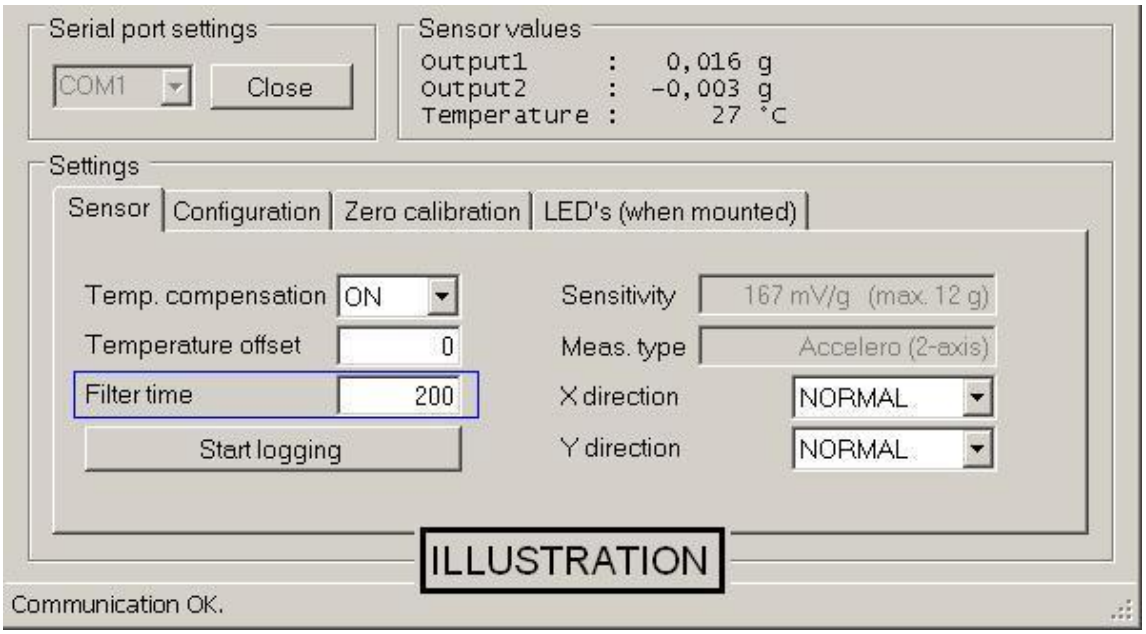
Filter functionality for Acceleration sensors

This document describes how to set up a high pass filter, first order, for acceleration sensors.
This changes a static sensor into a dynamic one.
See picture below.



With the software program " QGxx Configurator, the " period time" of the high pas filter can be set. The program works with milliseconds (1/1000 of a second).
To simplify things, the correct filter time can be calculated as follow:
Filter time = 1000 / Frequency.

For example, if you want a high pass filter at 5Hz, the filter time will be:
1000 / 5 = 200. (see picture below)



To turn off the high pass filter, filter time must be zero (0) !!!