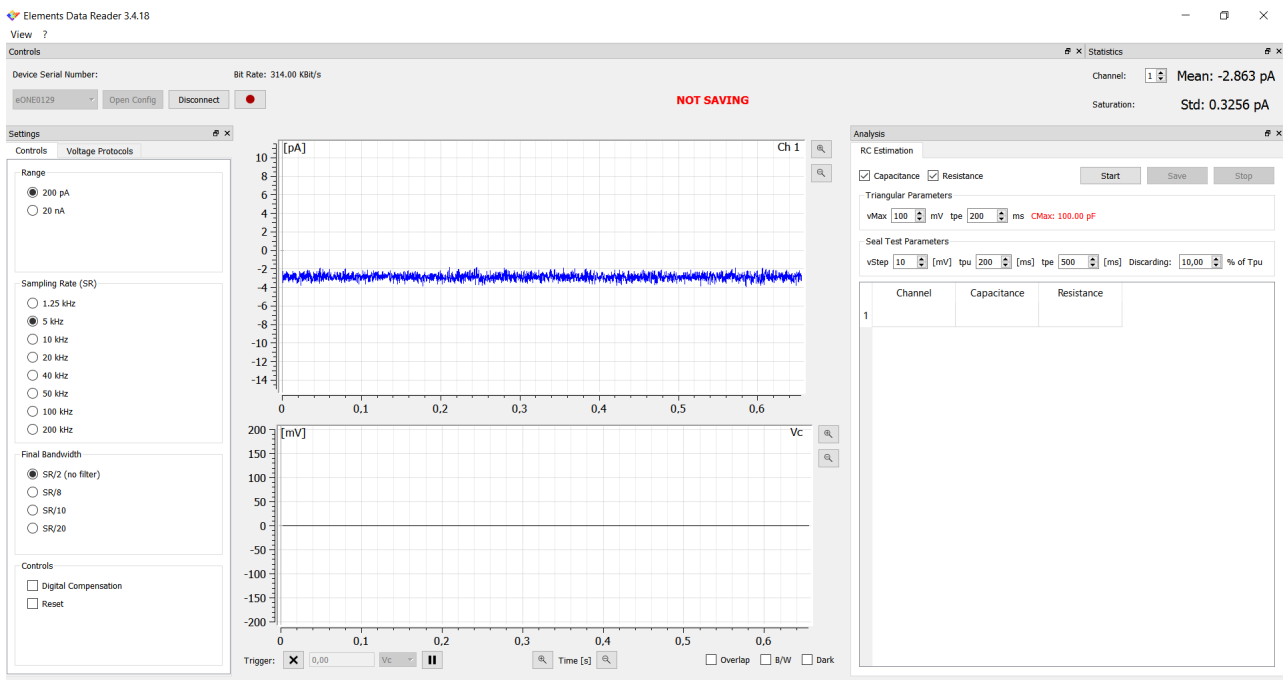
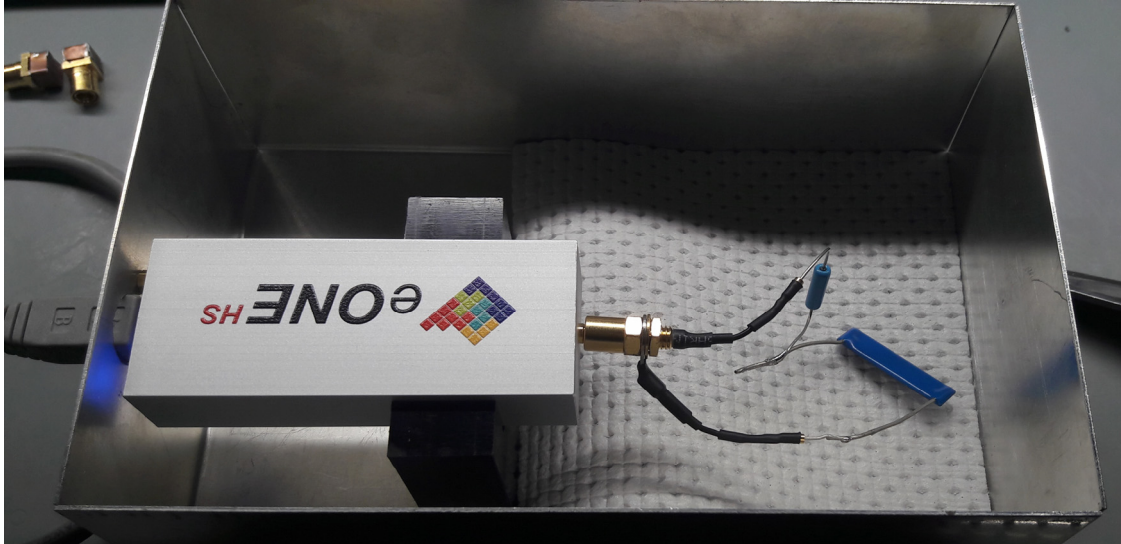
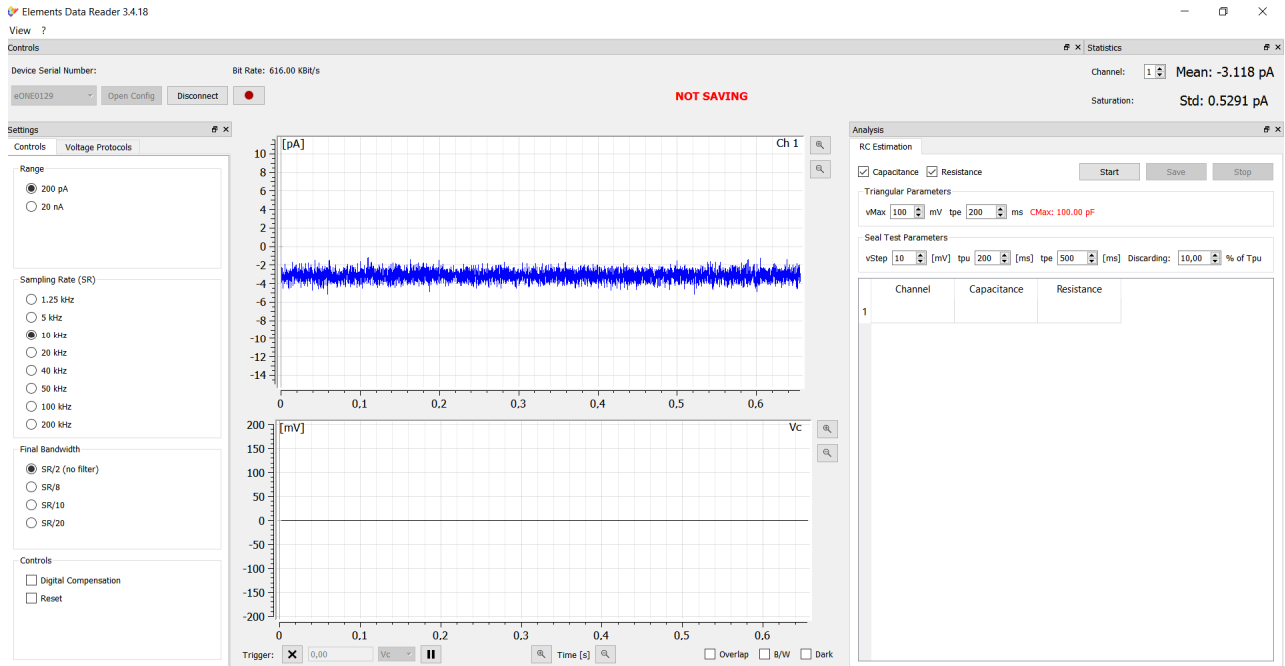


Data acquisition from eONE-HS using a 500 M Ω resistor at different sampling rate and signal bandwidth.

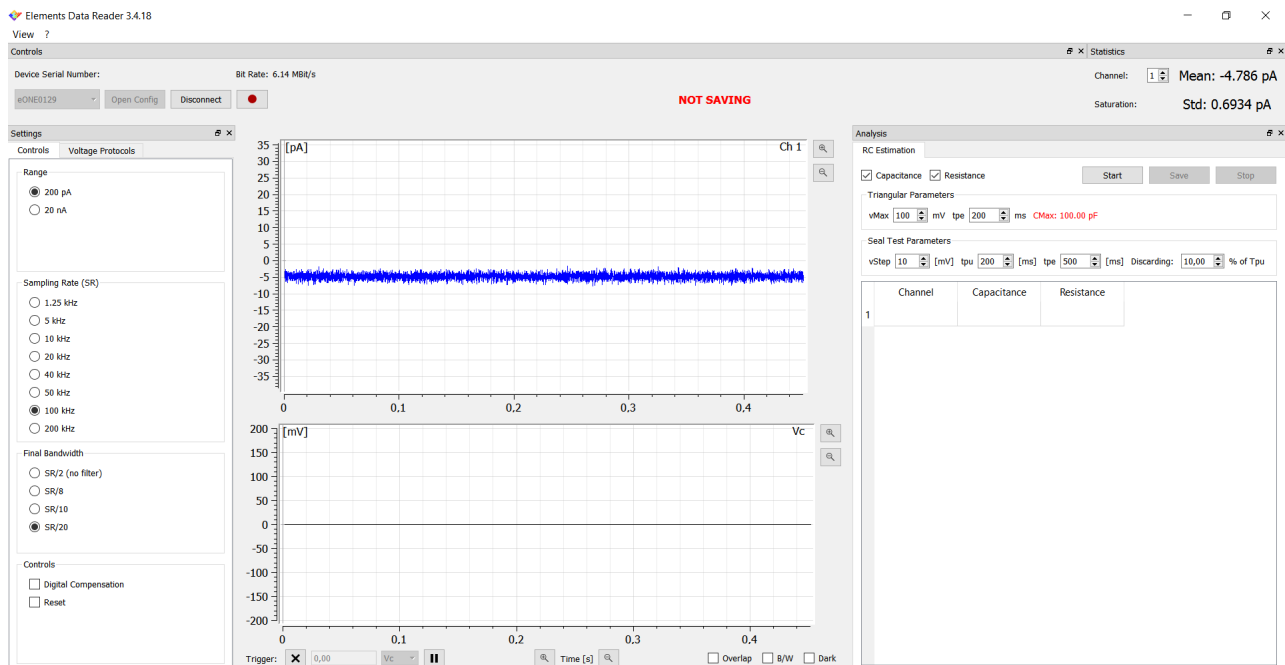
Experimental setup: eONE into a Faraday cage box of 16x10x5 cm.



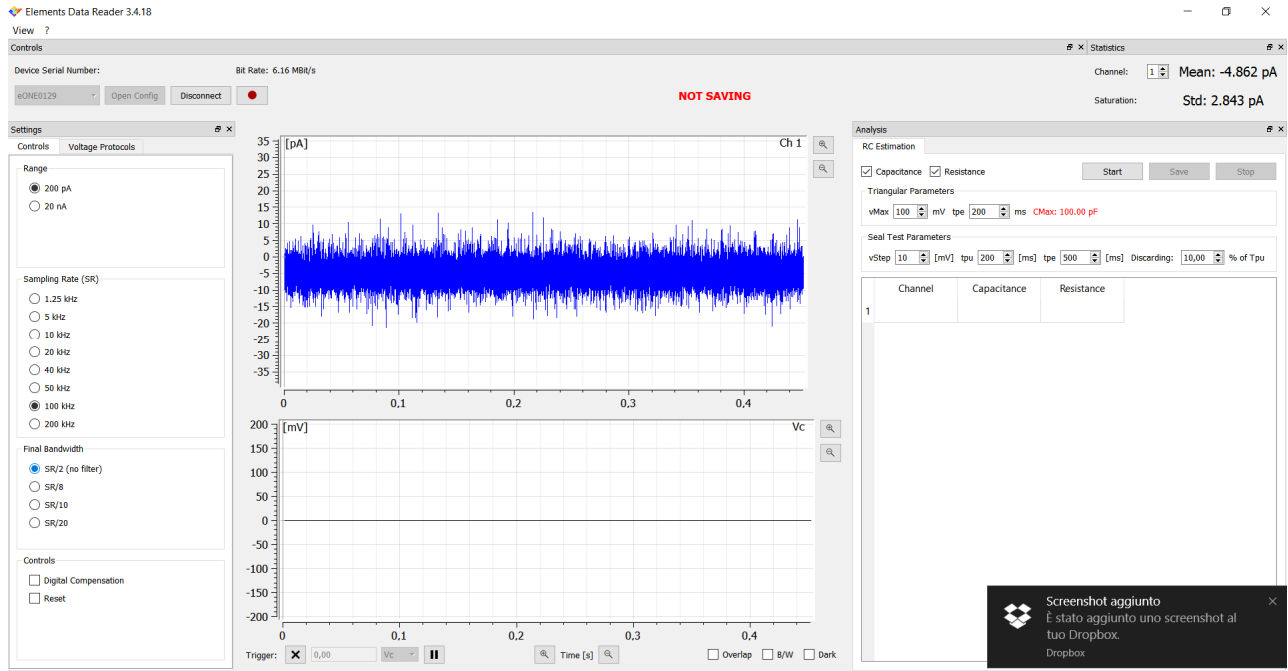
Acquisition 1: Sampling rate: 5 ksp/s - Digital filter: SR/2 - Final signal bandwidth: 2,5kHz - Total Noise: 326 fA rms



Acquisition 2: Sampling rate: 10 kpsps - Digital filter: SR/2 - Final signal bandwidth: 5kHz - Total Noise: 520 fA rms



Acquisition 3: Sampling rate: 100 kpsps - Digital filter: SR/20 - Final signal bandwidth: 5kHz - Total Noise: 694 fA rms



Acquisition 4: Sampling rate: 100 kps - Digital filter: SR/2 - Final signal bandwidth: 50kHz - Total Noise: 2.84 pA rms