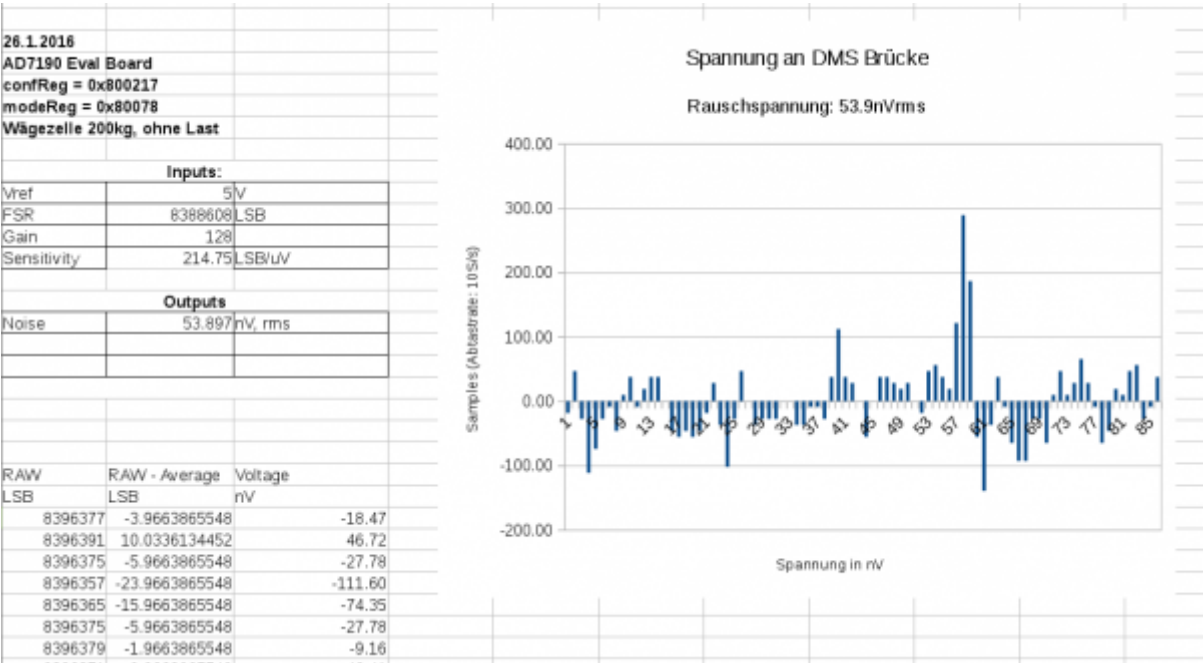


The ultra low noise 24-bit ADC: AD7190

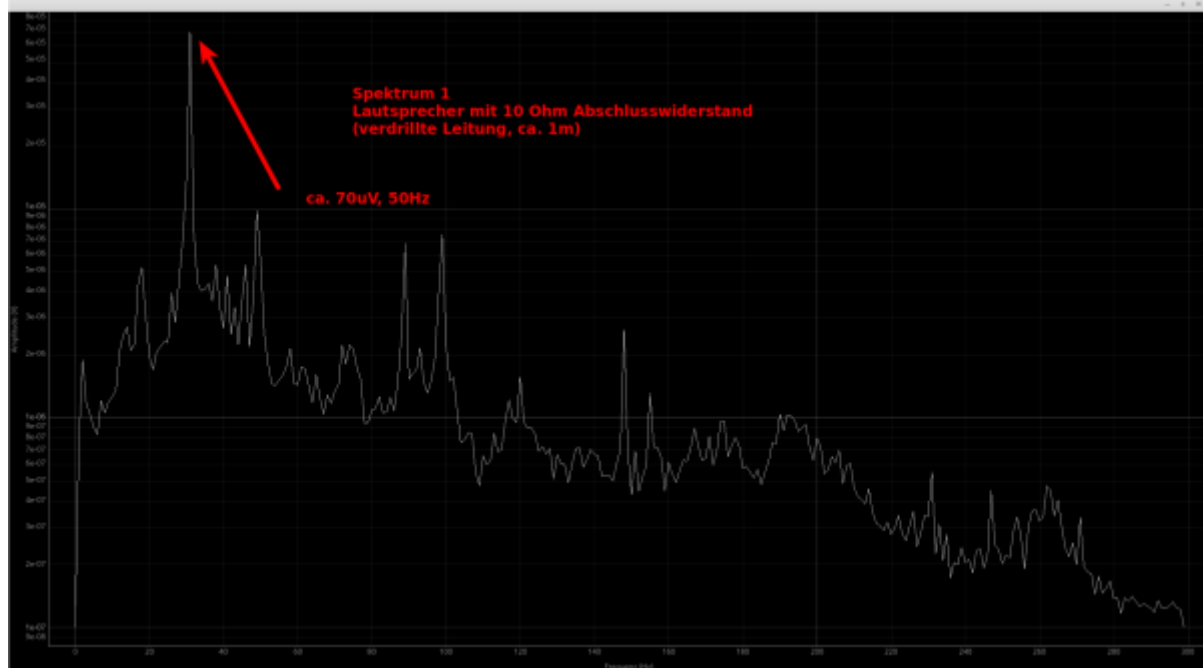
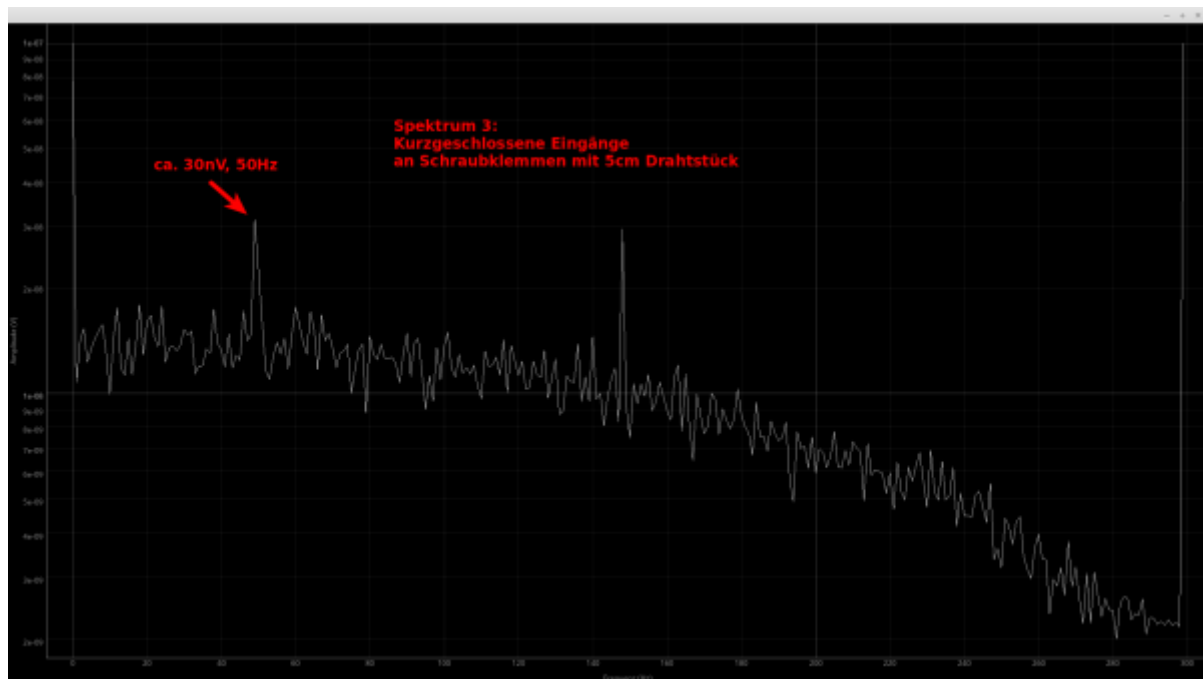
Test measurements on a strain gauge load cell

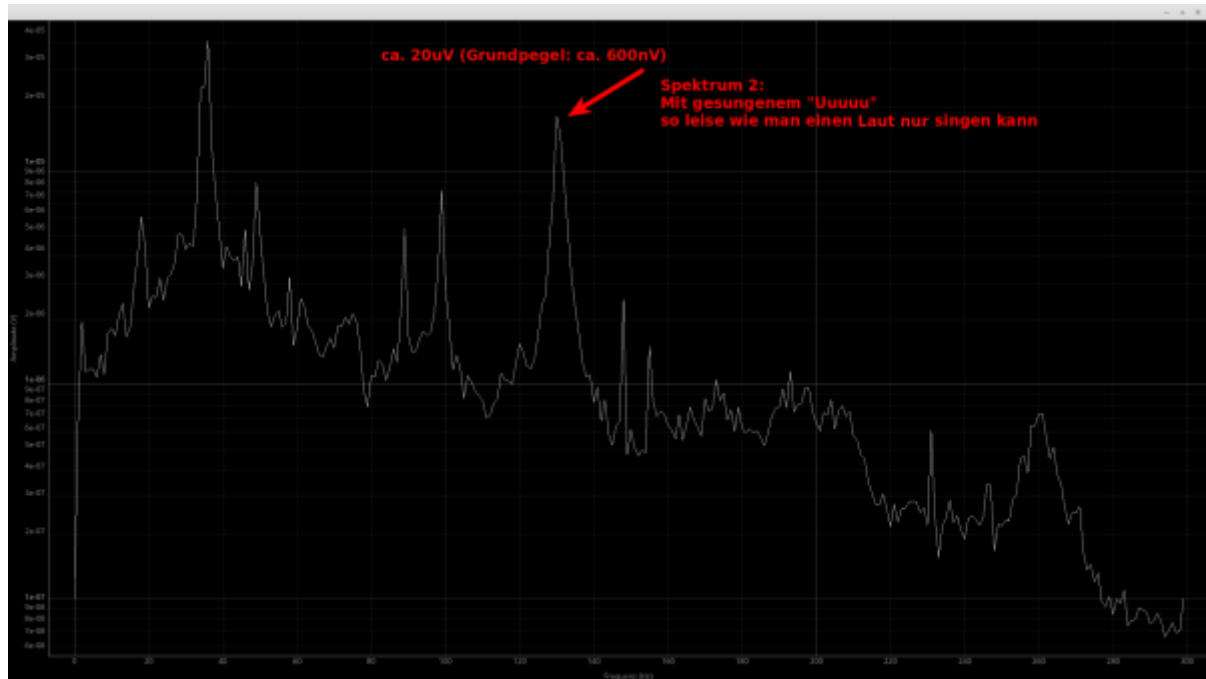
The laodcell was connected with a 6-wire configuration to the evaluation board of the AD7190. The samplerate was set to 10 S/s, chopping enabled (continuous offset and gain correction). The analog 5V supply was powered from the RIGOL DP832, which has a very low noise level.

We measured an astonishing low noise level of about 50nV(rms).



Spectrum at 600 S/s





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