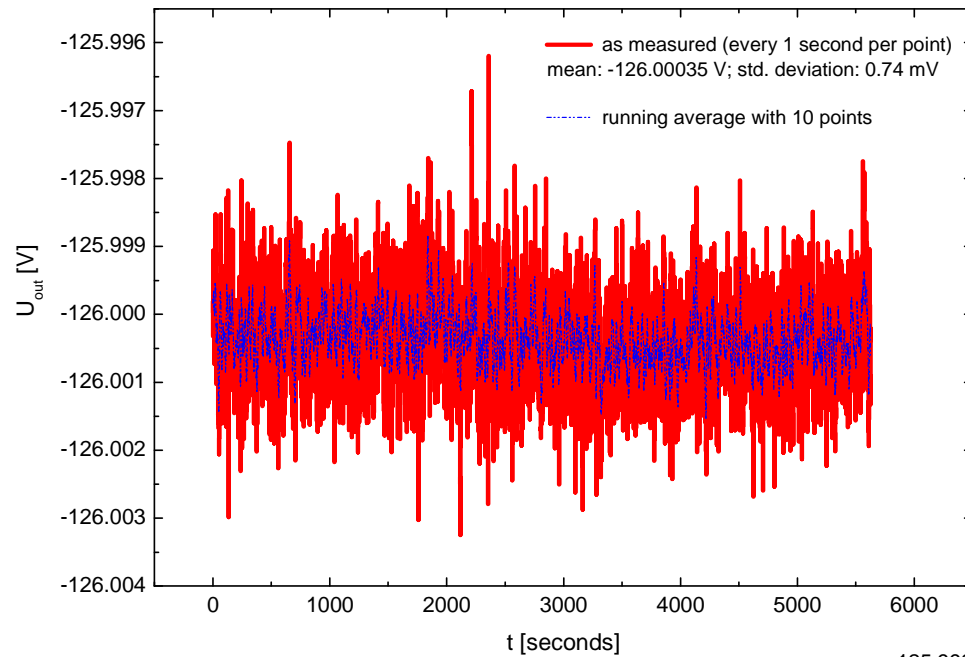


- 19 inch grate with master unit with USB and floating input as global reference
- master unit with microcontroller; setup menus for internal voltage referencing
- master unit ranges for external voltage reference: $\pm 400\text{V}$, $\pm 1500\text{V}$; $\pm 5000\text{V}$
- 4 double HV modules with switchable between remote controlled or via manual adjustment (all bipolar)
- double modules as versions for $\pm 100\text{V}$; $\pm 400\text{V}$; $\pm 1500\text{V}$; $\pm 5000\text{V}$,
- voltage range of A and B supply must be equal
- each module has its own 2x12 digits display and communicates to the master
- modules are prepared for current monitoring
- set times typ. 0.05 seconds to 2 seconds, depending on voltage range



Series parameter aims:
Stability: $< 3 * 1E-6$;
Noise: $< 3 \text{ mV}$

Preliminary (prototype tests):

Stability: std. dev. below 1 mV
Noise (LF and HF): about 2 mV

