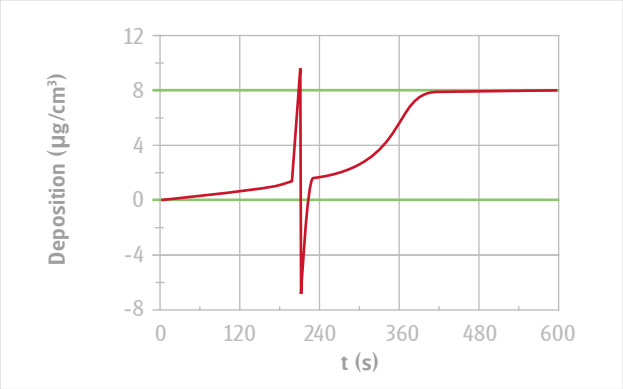
VITROCELL® S·QCM 12

Data Interpretation

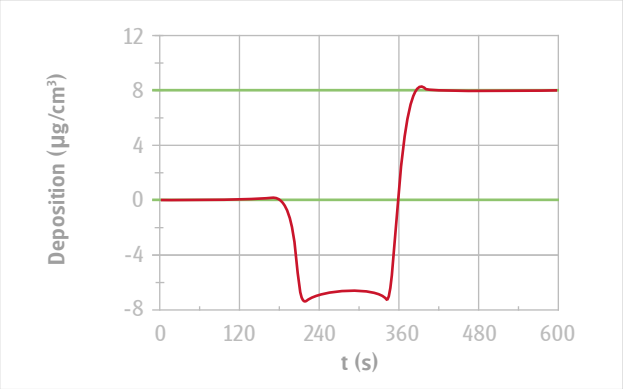
The Quartz Crystal Microbalance is a powerful tool for dosimetry in VITROCELL Exposure Systems. However, interpreting live-data from a sQCM can be misleading, as there is a lot going on in parallel during measurements.

For a reliable result connect the oscillator to power before starting the software and wait until the sQCM is stable before zeroing.
This avoids drifts during measurement due to e.g. thermal effects or moisture. During measurement observe the following advice:

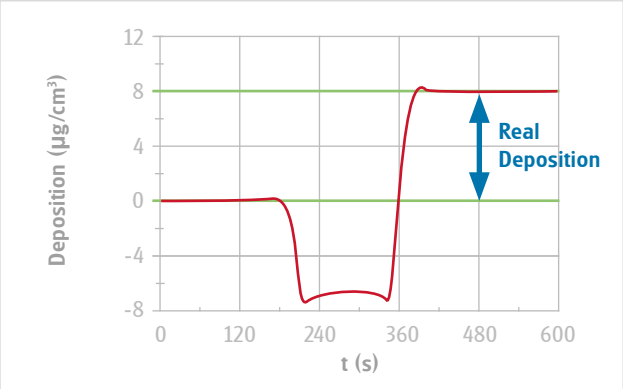
Vitrocell® sQCM 12 live-data requires correct interpretation during measurements.



Ignore non-monotonous graphs or short spikes.



Even negative values within measurements may be plausible due to temporary side effects.



Always wait for the final stable value after dynamic effects have disappeared.

sQCM 12 mounted in VITROCELL® Cloud Alpha 12 module (left) and the new designed oscillator with USB-C socket (right).