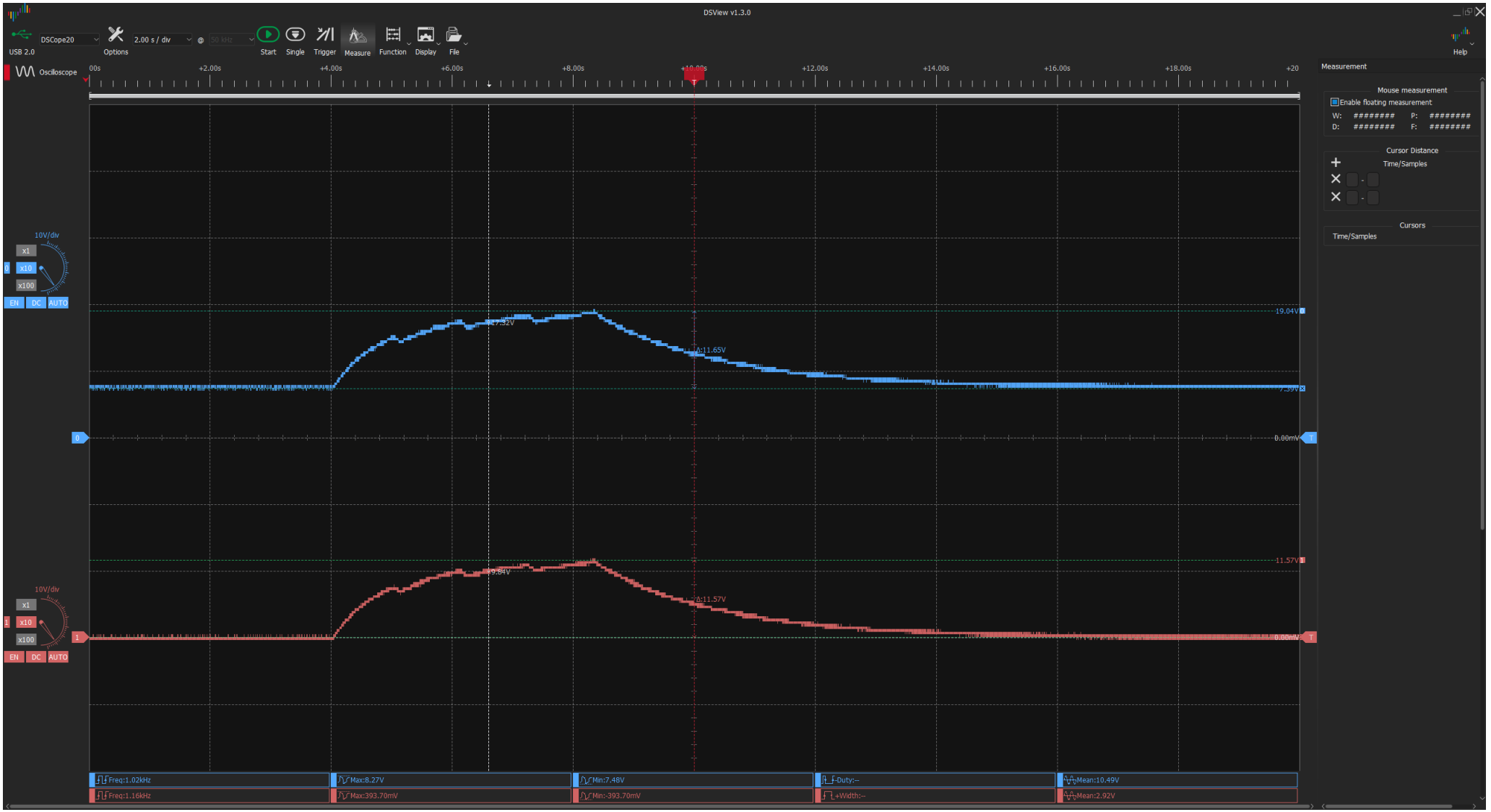
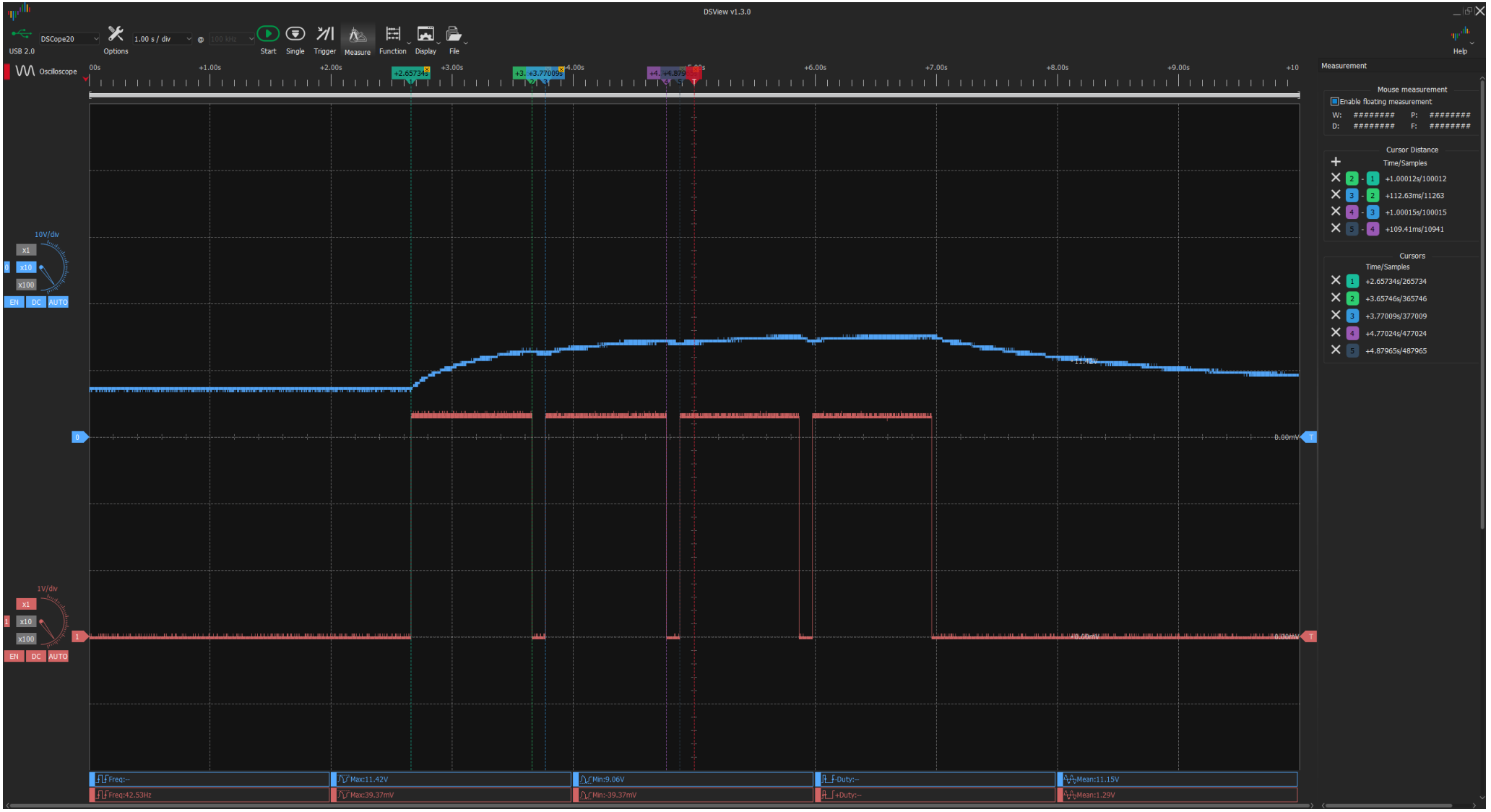
Measurements for the charge pump:

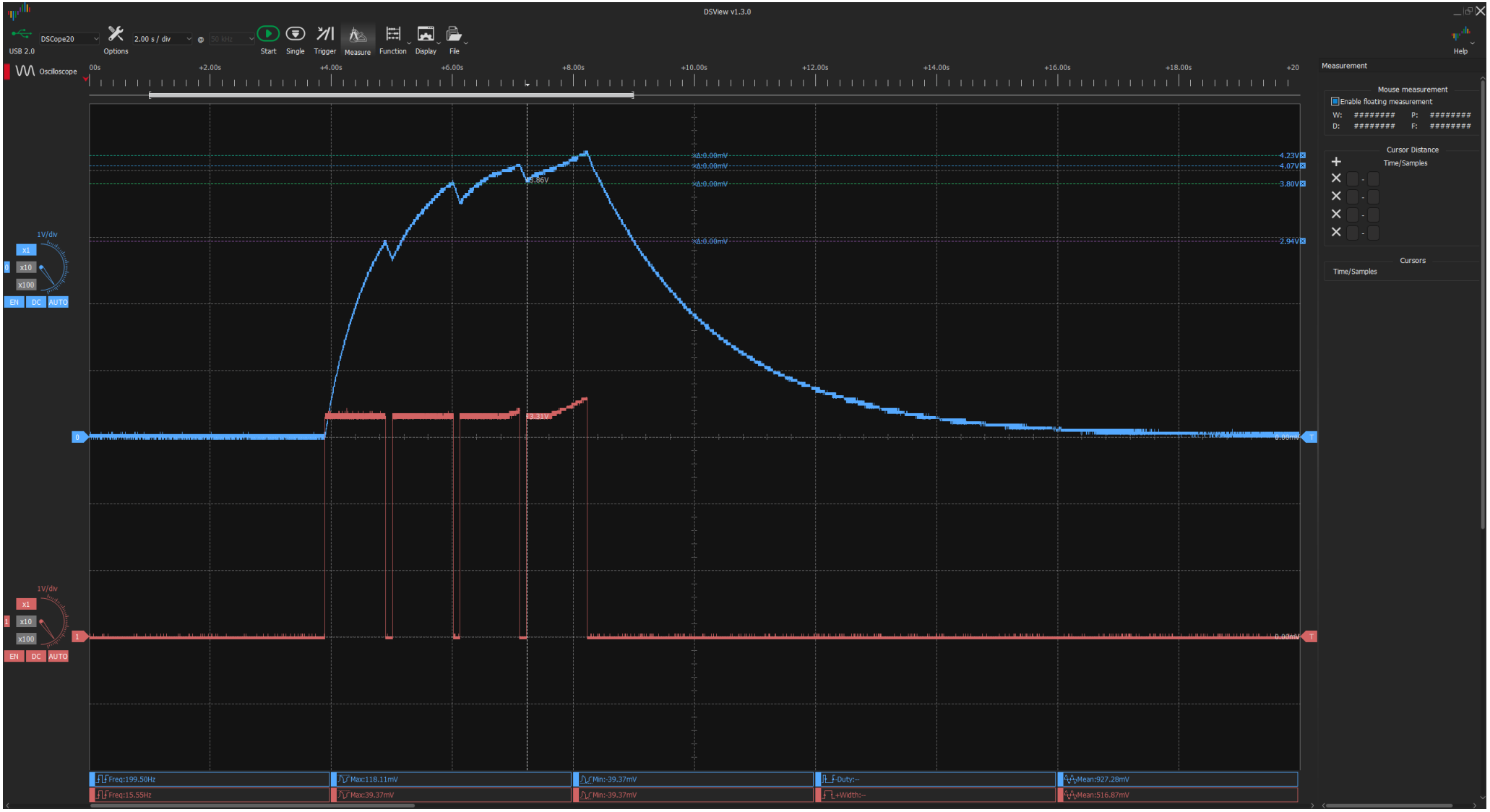
1) Powering-on (battery in) -> Mode „Run“: Channel 0 = capacitor C14_+, Channel 1 = node D2/R10 (upper point of the voltage divider)



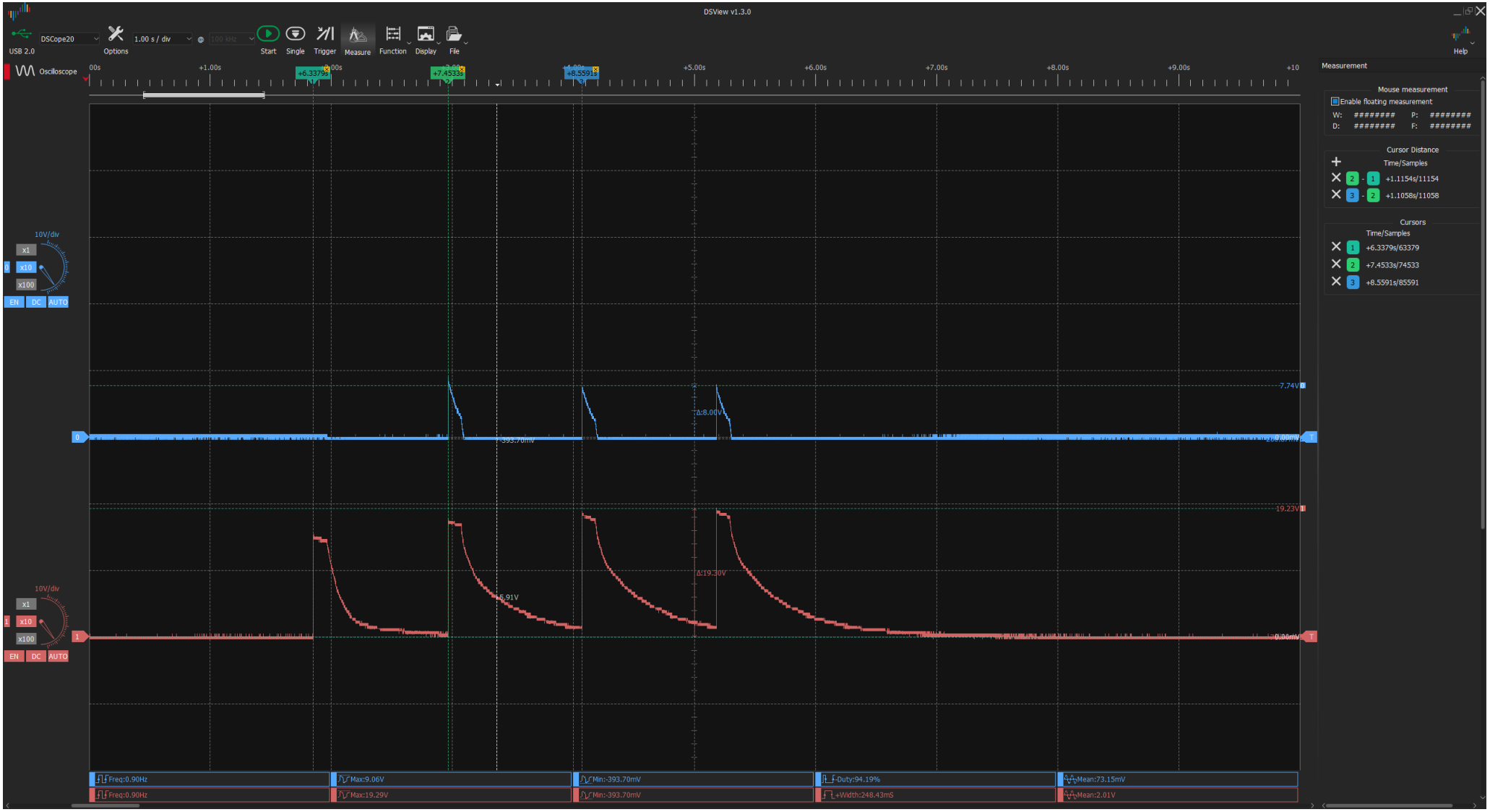
2) Powering-on (battery in) -> Mode „Run“: Channel 0 = capacitor C14_+, Channel 1 = U1.35 (IROUT) – charge trigger



3) Powering-on (battery in) -> Mode „Run“: Channel 0 = U1.34 (TCC), Channel 1 = U1.35 (IROUT)

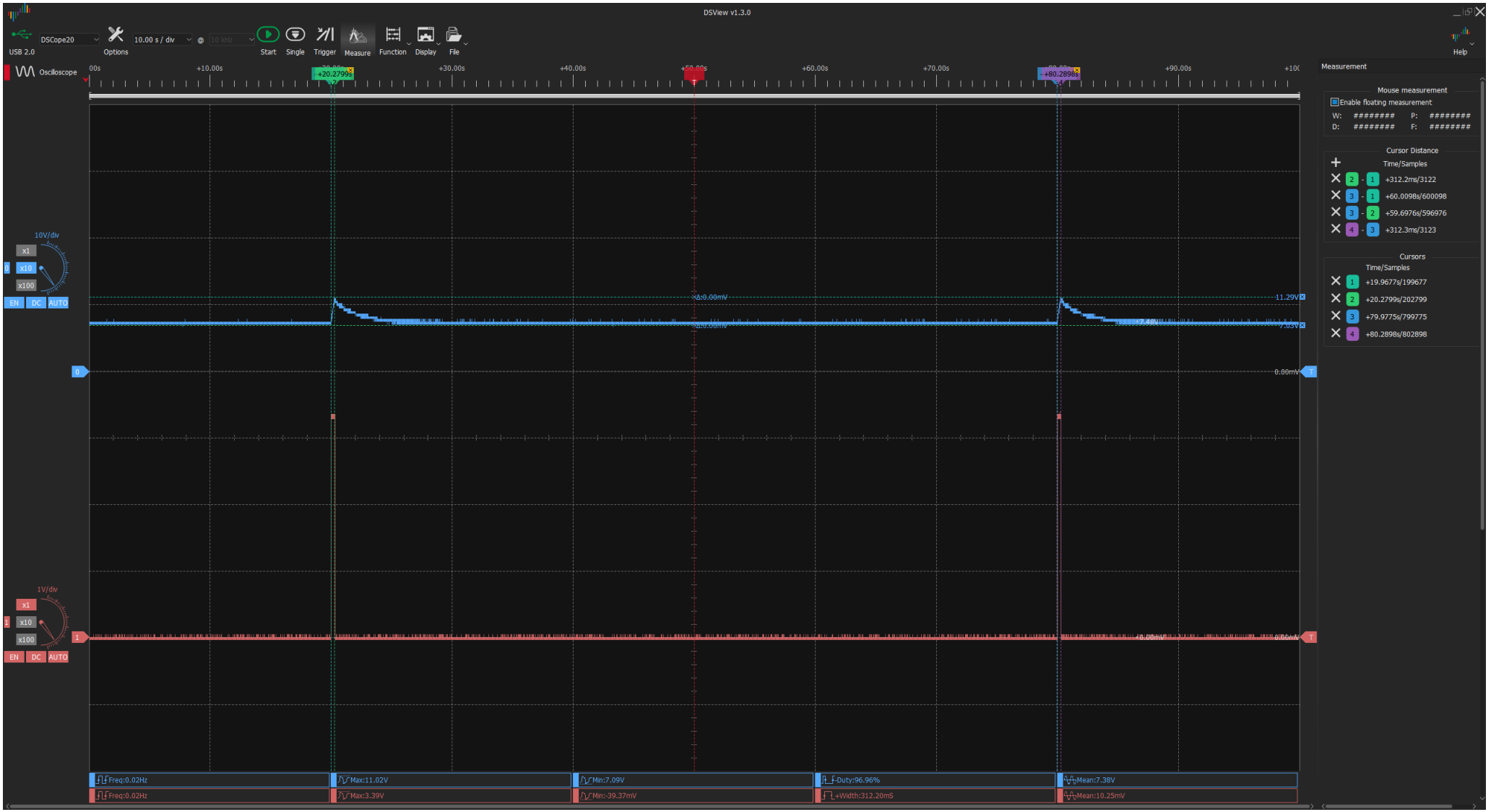


4) Powering-on (battery in) -> Mode „Run“: Channel 0 = Valve1.Open (O1), Channel 1 = Valve1.Close (C1)

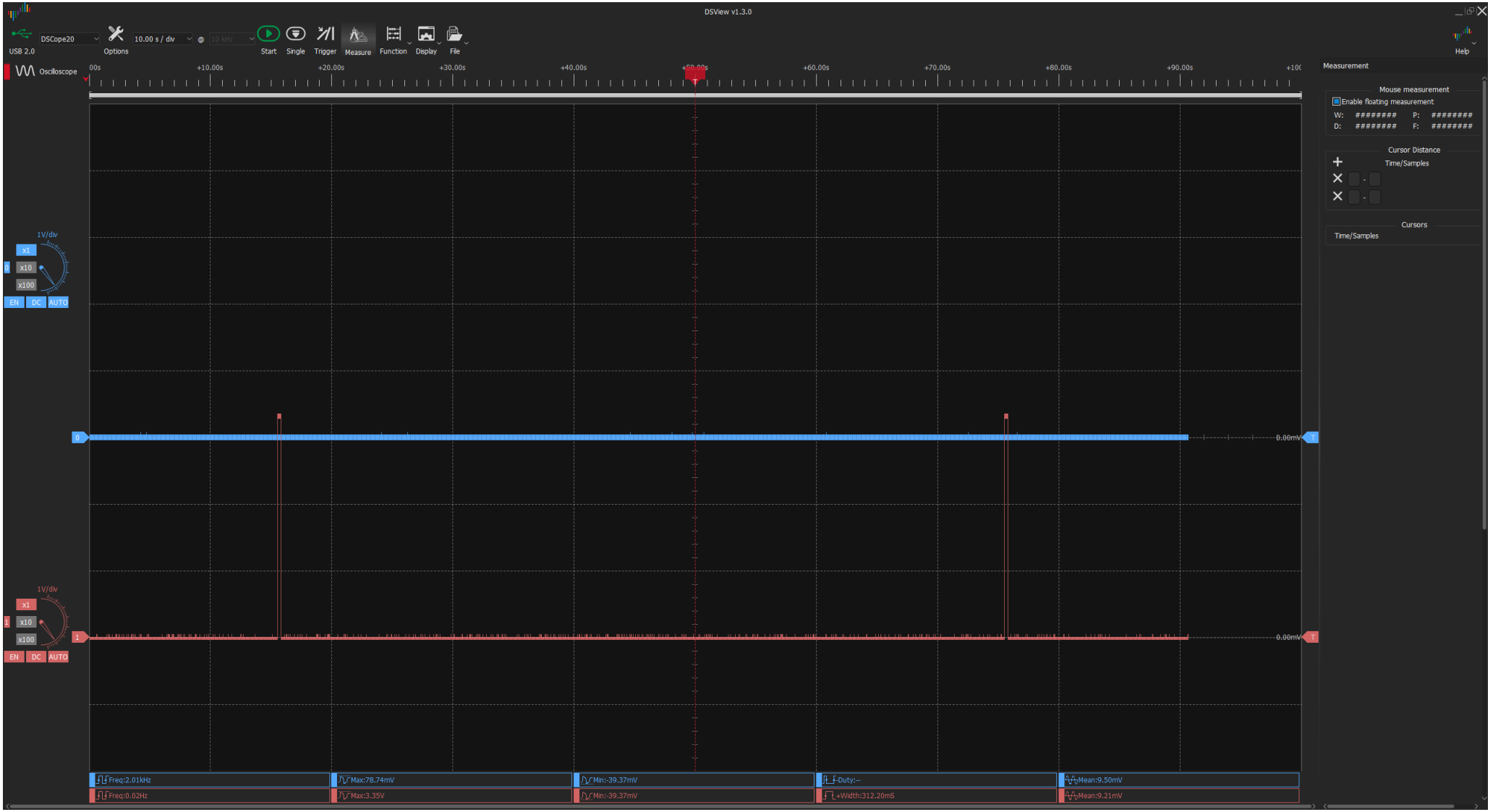


Measurements for manual valve switching: („Run“ Mode, Select Valve 1, manual duration = 1 minute)

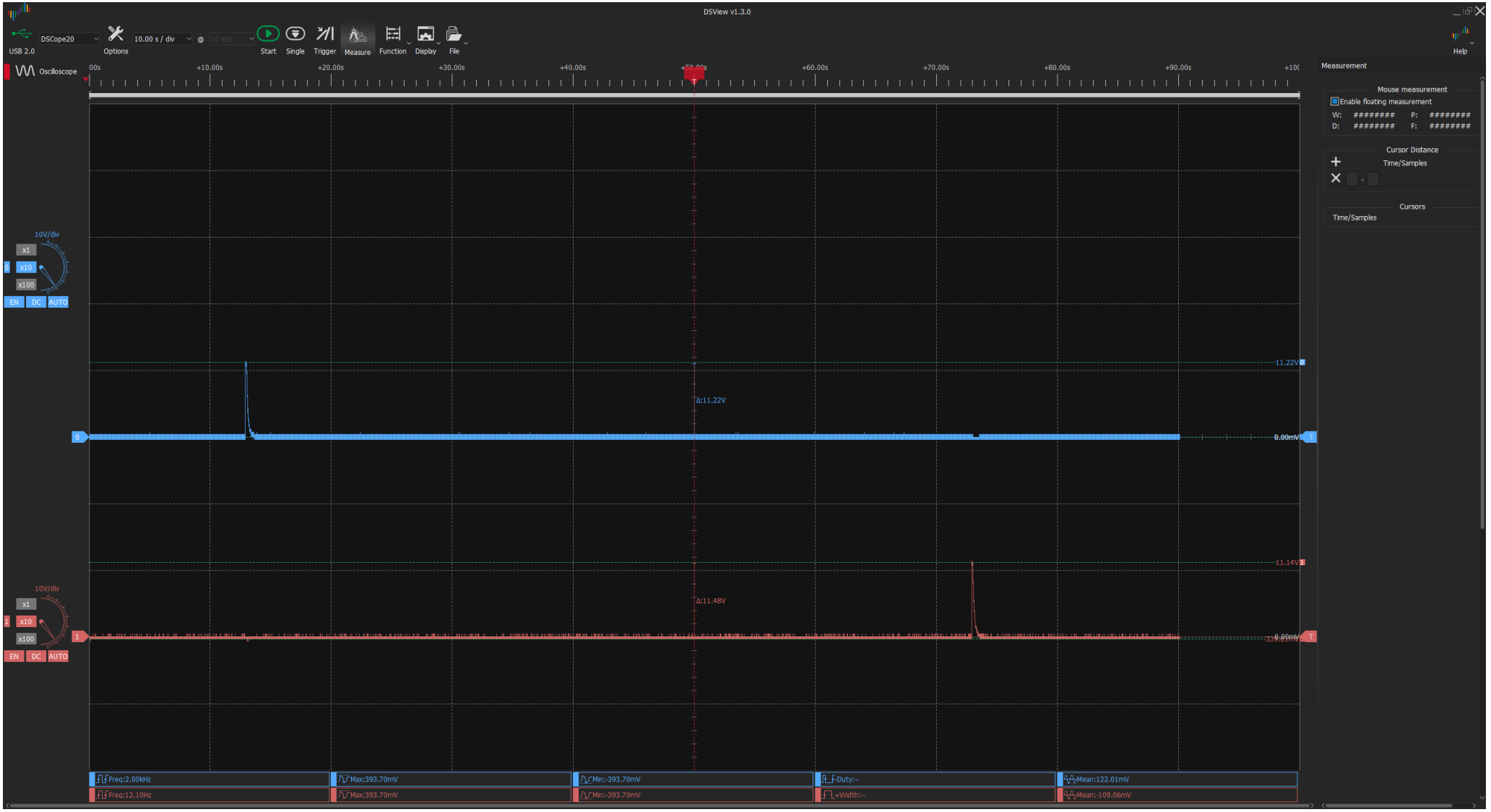
5) On-Off for 1 minute: Channel 0 = capacitor C14_+, Channel 1 = U1.35 (IROUT)



6) On-Off for 1 minute: Channel 0 = U1.34 (TCC), Channel 1 = U1.35 (IROUT)



7) On-Off for 1 minute: Channel 0 = Valve1.Open (O1), Channel 1 = Valve1.Close (C1)



8) On-Off for 1 minute: Channel 0 = U1.42 (VALVE1_O), Channel 1 = Valve1.Open (O1)