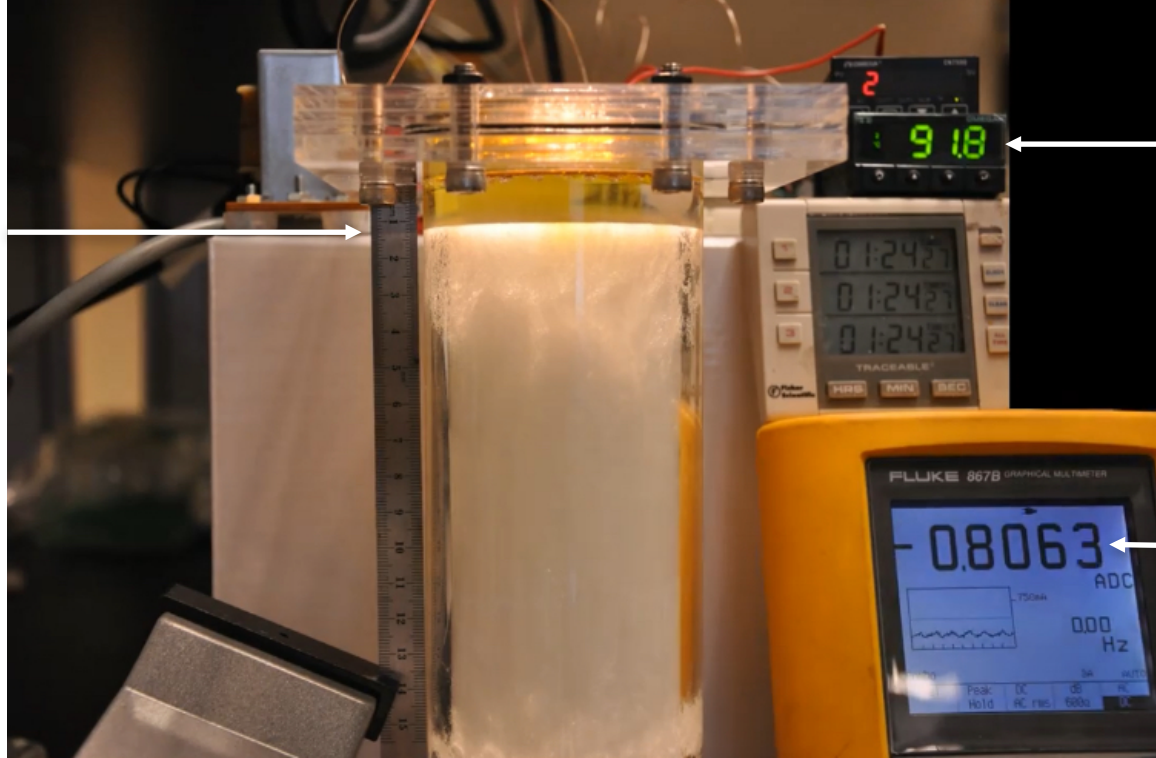


Liquid-solid
interface
 $s(t)$



Surface temperature
 $T(0, t)$

Input current
 $i_c(t)$