

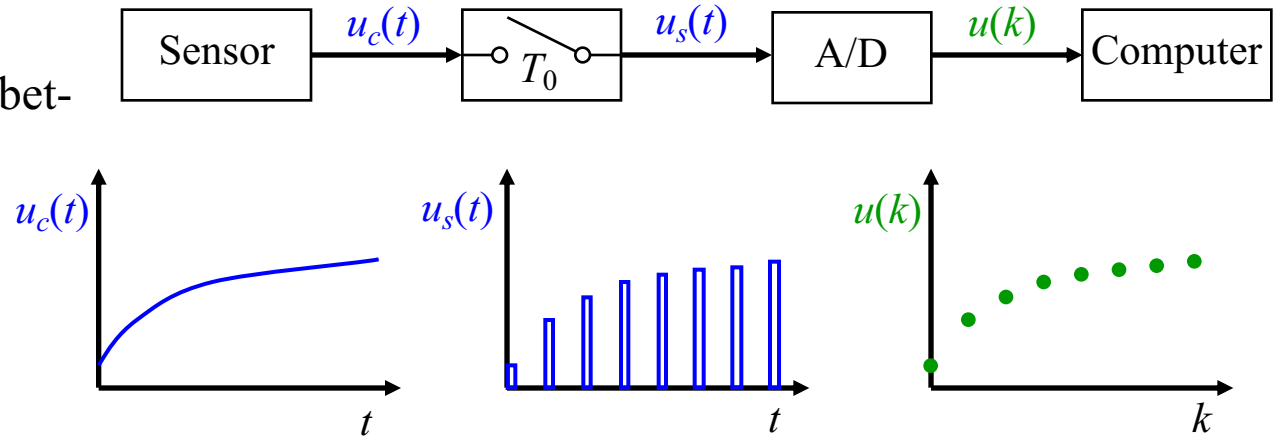
4.1 Discretization of Amplitude and Time

Abbreviation: $u(k) = u_c(kT_0)$
 $y(k) = y_c(kT_0)$

Analog/Digital and Digital/Analog Conversion

A/D Convertor

- Sampling time T_0 can be between μsec (signal proc.) and hours (thermal, biological processes)
- Amplitude resolution of 8, 12 or 16 bit.



D/A Convertor

- Computer handles time-discrete series.
- Hold of 0. order generates piece-wise constant signals.

