$$\underset{A-G}{\underset{\uparrow}{\underline{P \ F}}} \ \underset{O-7}{\underset{\uparrow}{\underline{O}}}$$

ADC:

$$(-A, A) = \text{continous in time}$$
$$\text{amplitude}$$

- ZOH = zero-order hold

Sample voice speech $\approx 8 \, kHz$