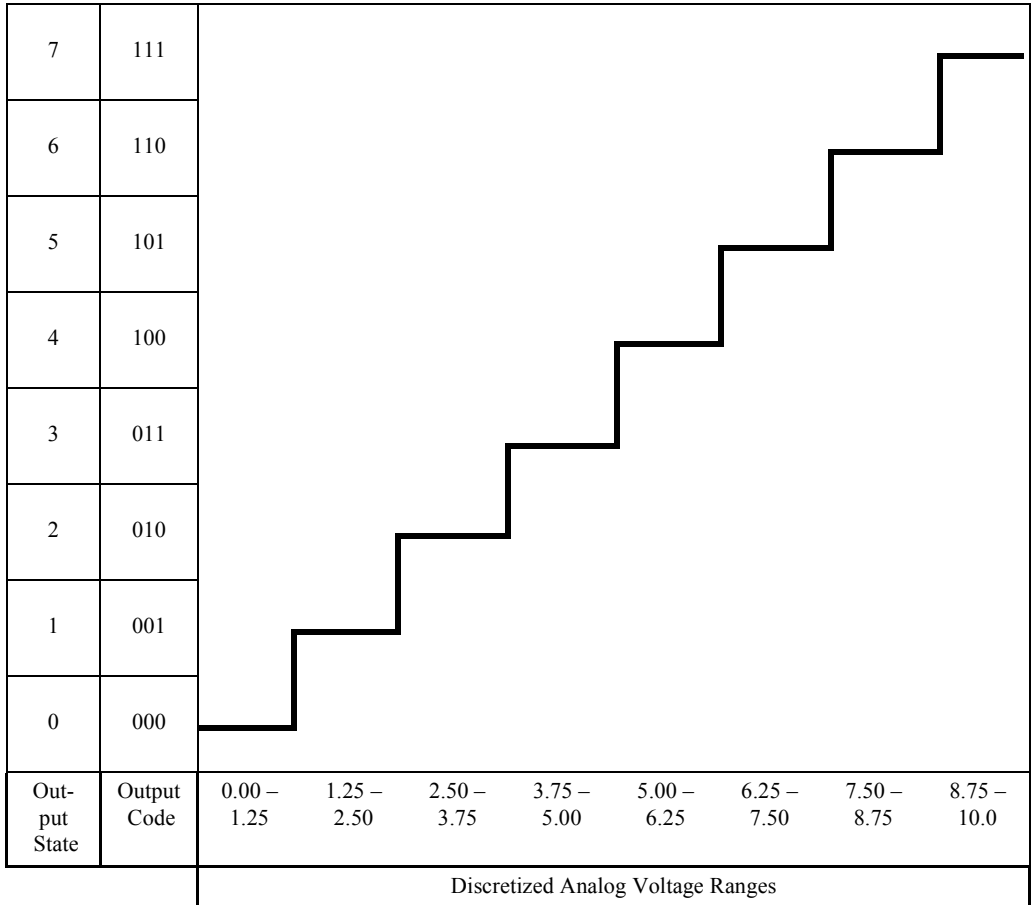


Chapter 8 Data Acquisition

Shannon's Sampling Theorem: $f_s > 2f_{max}$

sample interval: $\Delta t = 1/f_s$

Analog to digital (A/D) Conversion



number of *A/D converter output states:*

$$N = 2^n$$

analog quantization size:

$$Q = (V_{max} - V_{min}) / N$$