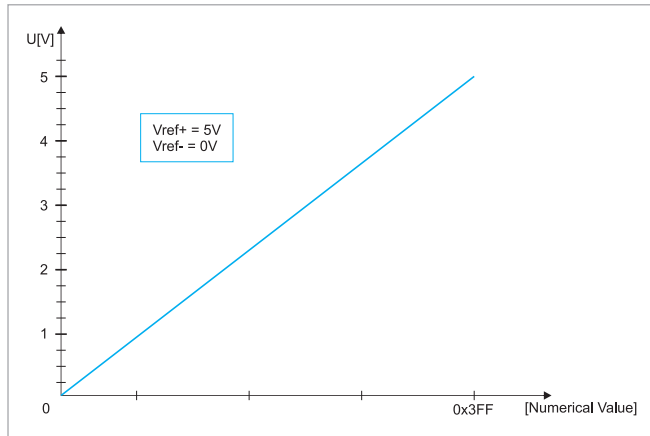## A/D CONVERTER

External signals are usually fundamentally different from those the microcontroller recognizes (0V and 5V only) and therefore have to be converted into recognizable values. An analog to digital converter is an electronic circuit which converts continuous signals to discrete digital numbers. In other words, this circuit converts an analogue value into a binary number and forwards it to the CPU for further processing. This module is thus used for input pin voltage (analogue value) measurement.

The result of measurement is a number (digital value) used and processed later in the program.