

A/D CONVERTER

External signals are usually fundamentally different from those the microcontroller understands (zero and one), so that they have to be converted in order the microcontroller can understand them. An analog-to digital converter is an electronic circuit which converts continuous signals to discrete digital numbers. In other words, this circuit converts an analog value into a binary number and forwards it to the CPU for further processing. This module is therefore used for input pin voltage measurement (analog value). The result of measurement is a number (digital value) used and processed later in the program.

