

# Pulse width modulator

## Overview

Pulse-width modulation (PWM) is a modulation process or technique used in most communication systems for encoding the amplitude of a signal right into a pulse width or duration of another signal, usually a carrier signal, for transmission. Although PWM is also used in communications, its main purpose is actually to control the power that is supplied to various types of electrical devices, most especially to inertial loads such as AC/DC motors.

## Requirements

1. **Arduino uno**
2. **Proteus simulator**
3. **Pwm**
4. **motor**