2016

Application Note on 7805 Breakout

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Reviewer:

Version1.0

7805 breakout with 5V linear regulator

Introduction

In this application note we will be discussing on 7805 breakout which provides constant output of +5V and output current of up to 1A.
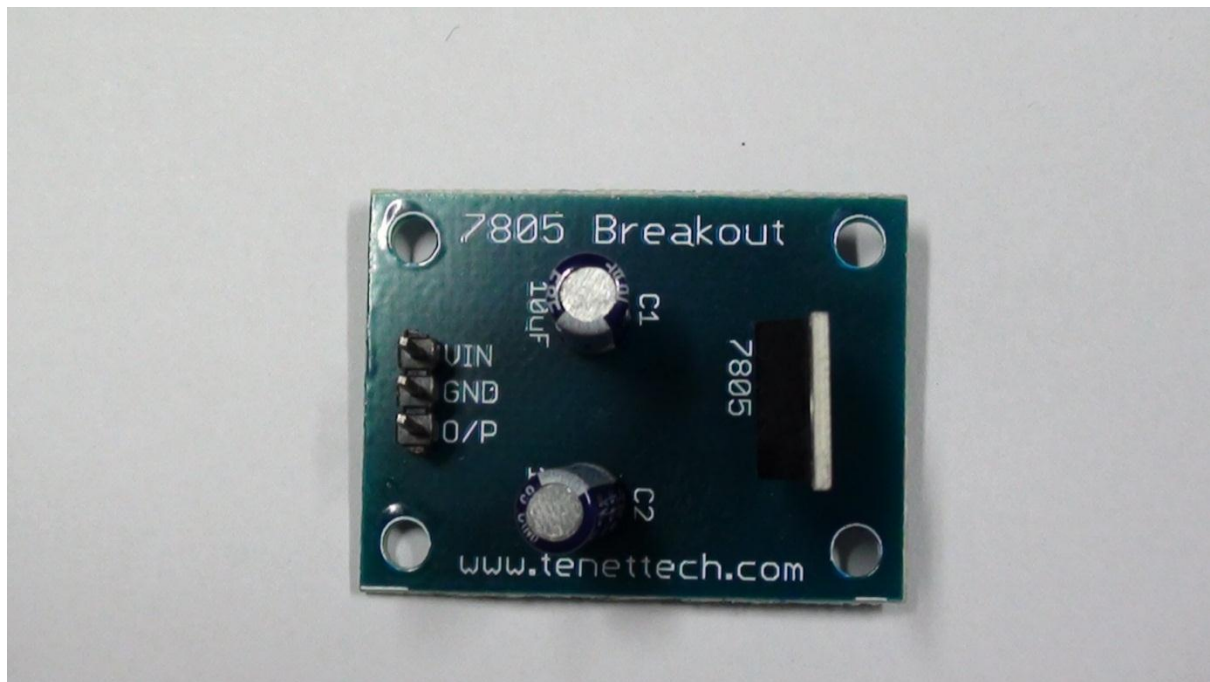
Arduino UNO: [Arduino](#) is an open-source prototyping platform based on easy-to-use hardware and software. [Arduino boards](#) are able to read inputs - light on a sensor, a finger on a button, or a Twitter message - and turn it into an output - activating a motor, turning on an LED, publishing something online. All this is defined by a set of instructions programmed through [the Arduino Software (IDE)](#).

7805: This series of fixed-voltage integrated-circuit voltage regulators is designed for a wide range of applications. These applications include on-card regulation for elimination of noise and distribution problems associated with single-point regulation. Each of these regulators can deliver up to 1.5 A of output current. The internal current-limiting and thermal-shutdown features of these regulators essentially make them immune to overload. In addition to use as fixed-voltage regulators, these devices can be used with external components to obtain adjustable output voltages and currents, and also can be used as the power-pass element in precision regulators.
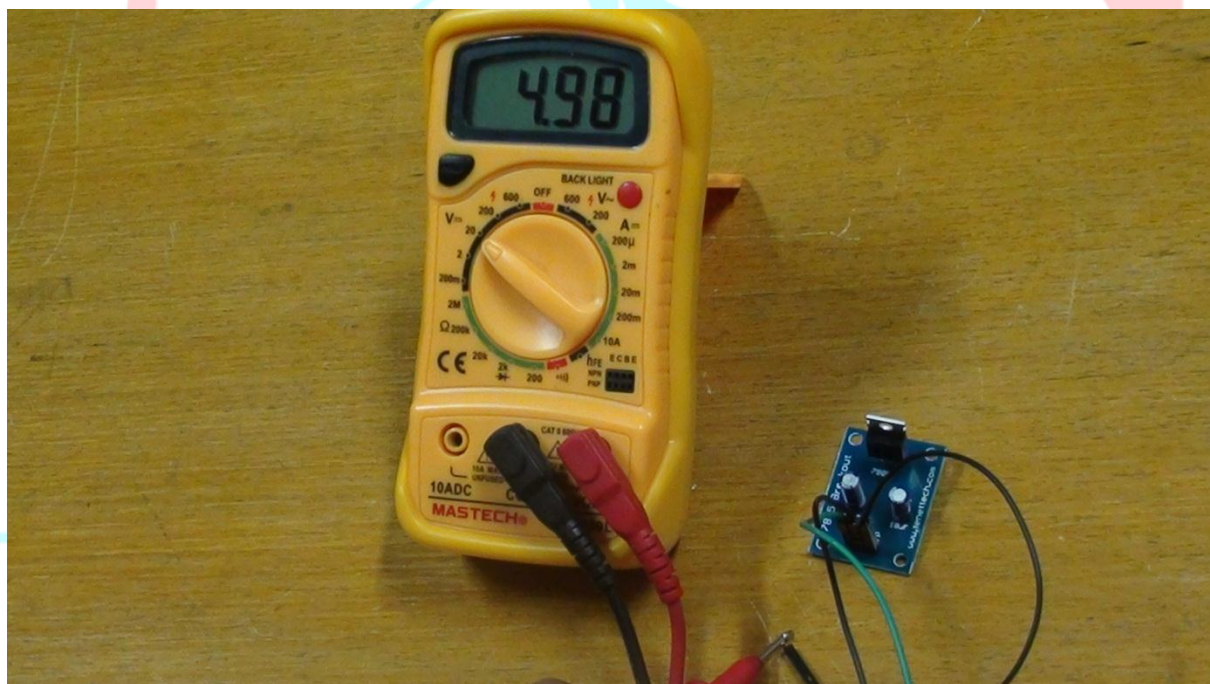
Step1. The Materials required are:

- [Arduino UNO](#)
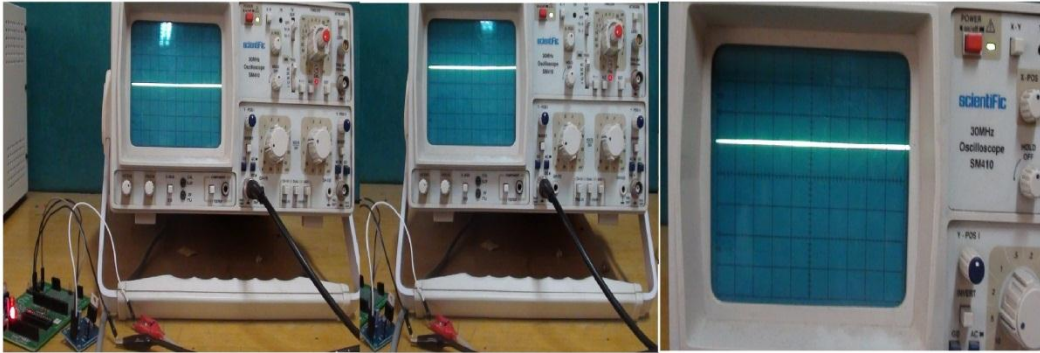- 7805 breakout
- Male to Female Jumpers
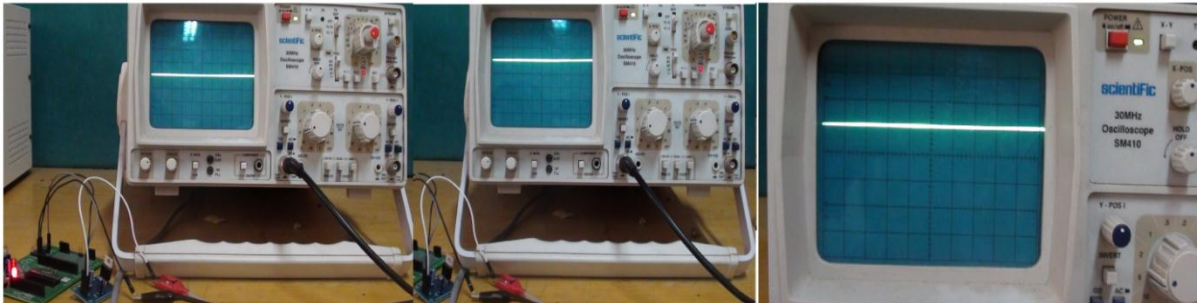
OUTPUT:

GROUND　　　　　　　　　**DC O/P -5V**

GROUND　　　　　　　　　**DC O/P -5V**

For more information please visit: www.tenettech.com

For technical query please send an e-mail: info@tenettech.com

For product info:

1. http://www.tenettech.com/product/5098/lcd-16x2-characters-white-text-blue-background
2. http://www.tenettech.com/search?q=arduino+uno&r1=default
3.