

IGBT Chopper (Motor Speed Controller)



Product Categories: [Electronics](#), [Engineering Equipment](#), [Power Electronics Lab](#), [Power Electronics Lab](#)
Product Page: <https://www.labappara.com/product/igbt-chopper-motor-speed-controller/>

Product Description

IGBT Chopper (Motor Speed Controller)

IGBT chopper driver circuit consists of a PWM waveform generator, and a hybrid driver circuit, with de-saturation detection. The pulse-input circuit is optically isolated from the driver circuit, The output circuit from this driver protects the IGBT module from dangerous transient voltages. The de-saturation trip time can be adjusted by a suitable capacitor in the driver stage.

Specifications:

Pulse input : There is a built in PWM generator.

PWM : Repetition rate is adjustable in the range of 100Hz to 1KHz and TTL

Duty cycle : Duty cycle is adjustable in the range of 10% to 90%

Opto-Isolator : 30kV/uSec.

Electrical Isolation : $V_{iso} = 2500V_{rms}$ for one minute.

Recommend for use with: V_{ces} of 600V

Facility to connect an external PWM also as input to the driver circuit

Input to the driver : internally generated PWM or external PWM can be given as input to this driver and it is optically isolated.