

Heaven's light is our guide.

Rajshahi University of Engineering and Technology



Department of Electrical & Electronic Engineering

Course no.

EEE3204

Course title:

Power Electronics Sessional

Experiment no.

01

Experiment name:

Performance analysis of half-wave rectifier with resistive & inductive load

Date of experiment:

October 15, 2022

Date of submission:

October 29, 2022

Submitted to:	Submitted by:
Md. Abdul Malek	Ashraf Al- Khalique
Assistant Professor	Roll: 1801171
Dept. of Electrical & Electronic Engineering, Rajshahi University of Engineering and Technology.	Session: 2018-2019 Dept. of Electrical & Electronic Engineering, Rajshahi University of Engineering and Technology.



Fig: Voltage across resistive load (DC Coupling)

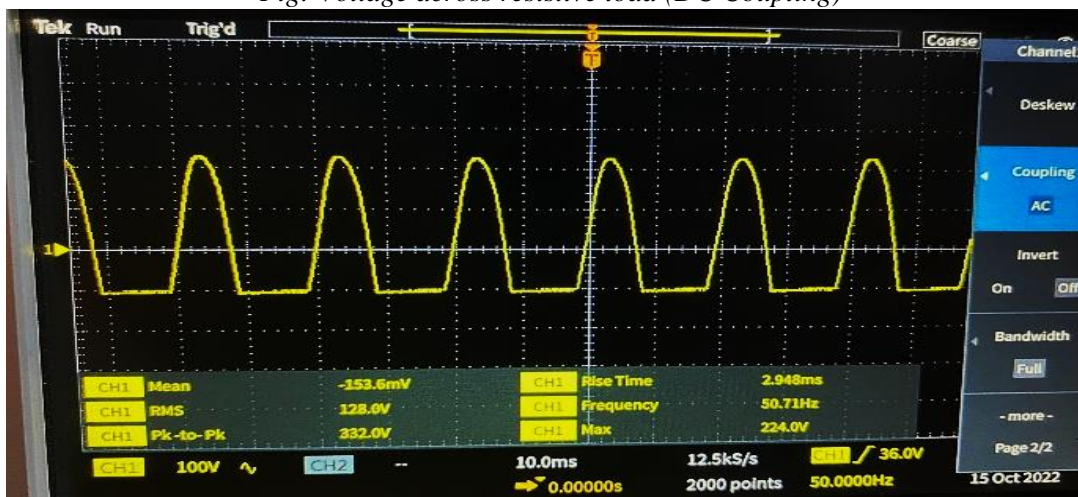


Fig: Voltage across resistive load (AC Coupling)

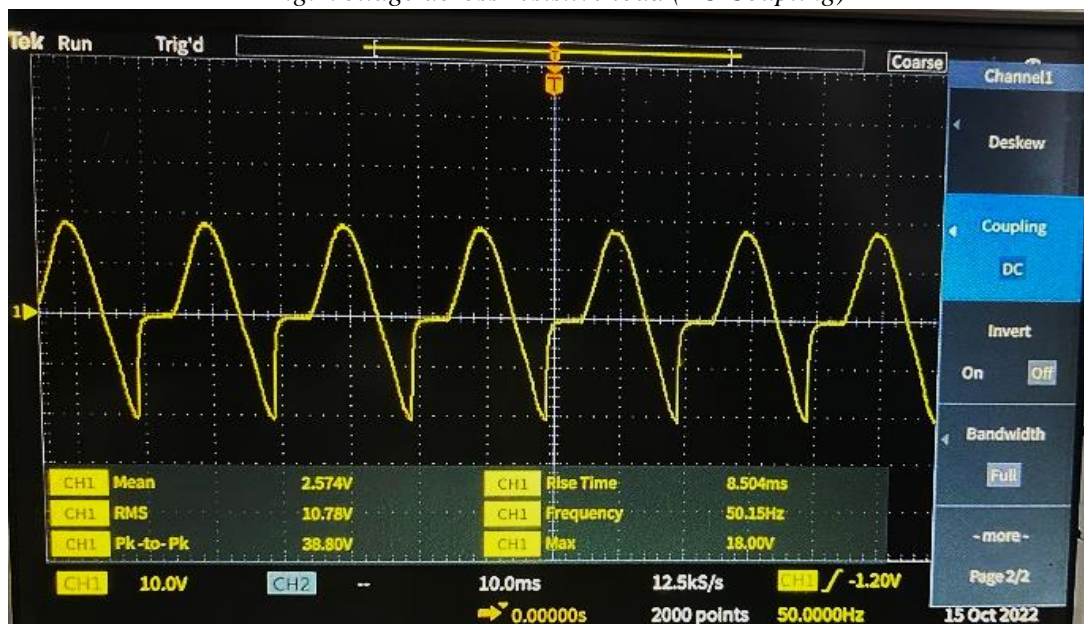


Fig: Voltage across Inductive load (DC Coupling)

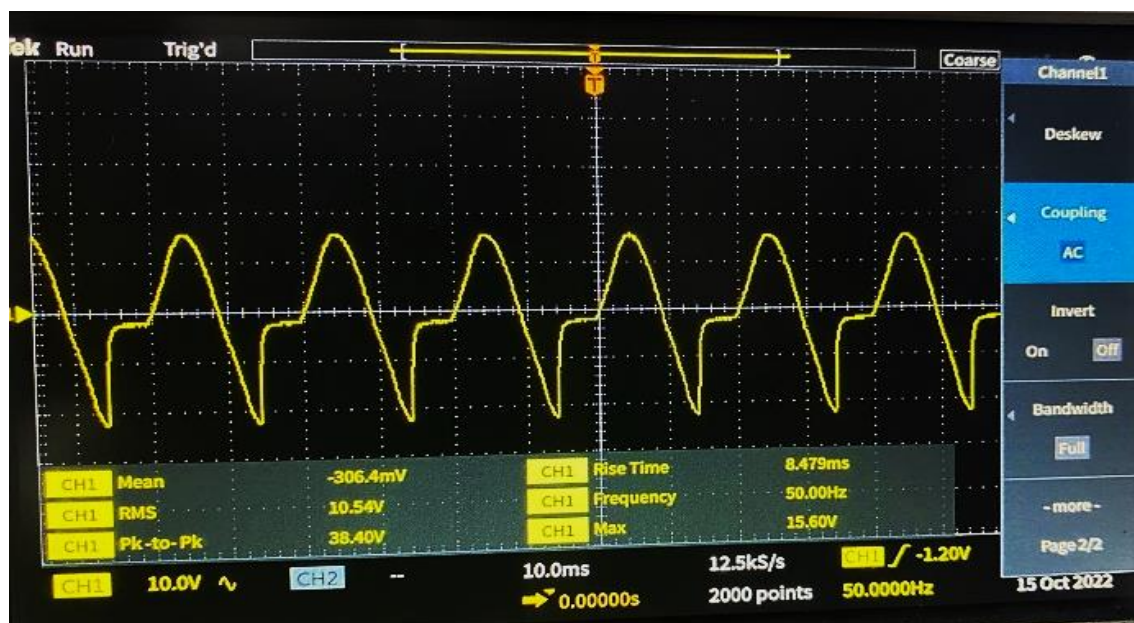


Fig: Voltage across Inductive load (AC Coupling)



Fig: Voltage across resistive load in series with Inductive load (DC Coupling)