

Creating and Submitting a Lab Report

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NATIONAL INSTRUMENTS

Courses / Analog Electronics / Diodes

- 1. Lab Overview
- 2. Diodes
 - 2.1. Simulate: Explore the Behavior of a Diode
 - 2.2. Implement: Observing Diode Behavior
 - 2.3. Exercise: Diode Measurements
 - 2.4. Simulate: Diodes in a Clipper Circuit
 - 2.5. Analysis
- 3. Diodes in a Half-Wave Rectifier
 - 3.1. Exercise: Diodes in a Half-Wave Rectifier
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- Lab Report**

Your Lab Report will open in the **Main Content Space**

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Lab Report

Lab Introduction

+ Lab Overview

+ **Diodes**

+ Simulate: Explore the Behavior of a Diode

Click on **+** to expand the inline assessment to view/edit your answer

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Some inline assessments are **automatically marked**

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- Diodes

1-1 What is a diode?

- A. A semiconducting device that allows current to flow in multiple directions.
- B. A semiconducting device that doesn't allow current to flow in any direction.
- C. A semiconducting device that allows current to flow in one direction but not the other.
- D. A semiconducting device that allows current to flow in opposite directions.

✓ Correct.

SUBMIT

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Exercise: Diode Measurements

1-4 Record your results in the table below:

Table 1-3


Source Voltage (VS)	Total Current I (mA)	Diode Voltage (V)
0.0	0	0
0.1	0	0.1
0.2	0	
0.3	0.02	

Some inline assessments may be edited (click **submit** after any changes)

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+ Simulate: Diodes in a Clipper Circuit

+ Analysis

If a question is not complete a  will be displayed

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You may export your lab report to save or print.

EXPORT LAB REPORT

RESUBMIT LAB REPORT

You must **resubmit** your report if you have made any changes

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1-18 Which procedure was easiest to implement and why?

Unanswered

SUBMIT

Once expanded, the unanswered question will be highlighted

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