

Experiment No.	3	CLIPPER AND CLAMPER CIRCUITS
Date		

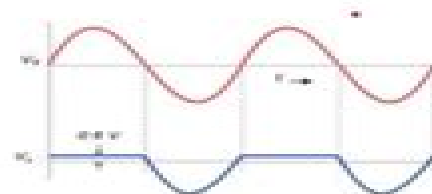
**AIM:** To realise different clipping and clamping circuits and observe the waveforms.

**APPARATUS / COMPONENTS REQUIRED:**

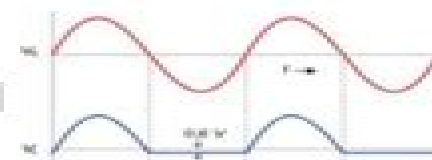
S.No	Item	Specifications	Quantity
1	PN Junction diode	1N4007	1
2	Zener diode		1
3	Thin film Resistor	1 k $\Omega$ , 100 k $\Omega$	1
6	Regulated power supply	24V, AC supply	1
7	Multimeter		1
7	Bread board		1

**CIRCUIT DIAGRAM:**

**Positive Clipper circuit with waveform:**



**Negative Clipper circuit with waveform:**



# Clamping Circuit Lab Manual

**R Sanford**



## Clamping Circuit Lab Manual:

Analog Electronic Circuits Laboratory Manual Farzin Asadi, 2023-04-06 This is a book for a lab course meant to accompany or follow any standard course in electronic circuit analysis. It has been written for sophomore or junior electrical and computer engineering students either concurrently with their electronic circuit analysis class or following that class. This book is appropriate for non-majors such as students in other branches of engineering and in physics for which electronic circuits is a required course or elective and for whom a working knowledge of electronic circuits is desirable. This book has the following objectives: 1 To support, verify and supplement the theory to show the relations and differences between theory and practice; 2 To teach measurement techniques; 3 To convince students that what they are taught in their lecture classes is real and useful; 4 To help make students tinkers and make them used to asking what if questions.

**Laboratory Manual for Introductory Electronics Experiments** L. K. Maheshwari, M. M. S. Anand, 1979  
**Laboratory Manual for Electronic Devices and Circuits** David A. Bell, 2001 This lab manual accompanies *Electronic Devices and Circuits* 4 e

Experiments in Electronic Fundamentals David Buchla, 1994  
**Lab Manual for A+ Guide to Hardware** Andrews, 2003 This Lab Manual is designed to accompany the *A Guide to Hardware* Second Edition and provides additional hands-on practice needed to succeed in industry. This Lab Manual is also an excellent resource to use to prepare for CompTIA's 2003 A+ Core Hardware certification exam.  
*Fundamentals of Analog Circuits* Thomas L. Floyd, David Buchla, 1999  
*Fundamentals of Analog Circuits* offers comprehensive coverage of a wide relevant array of topics. It integrates theory, practical circuits, and troubleshooting concepts, keeping mathematical details to a minimum. Delving more deeply into coverage of linear integrated circuits than discrete device circuits, the text guides readers through a system of pedagogical tools that both reinforces and challenges their understanding. Opens coverage with a five-chapter introduction to discrete devices that include diodes and transistor circuits, plus other topics often omitted in beginning devices texts, such as RF amplifiers, transmission lines, transformer-coupled amplifiers, direct-coupled amplifiers, and power amplifiers. Discusses the operational amplifier with separate chapters on active filters and oscillators. Explores current topics of importance, including instrumentation amplifiers, isolation amplifiers, operational transconductance amplifiers, OTA, phase-locked loops, A/D and D/A converters, transducers, and more. Indicates current by meters, not arrows, allowing for easy integration into the curriculum of schools using either conventional current flow or electron flow. Features  
*Programmed Learning and Individually Paced Instruction* Carl H. Hendershot, 1973  
Foundations of Electronics Russell L. Meade, 1999 Learn electronics fundamentals for both DC and AC circuits from Ohm's Law through series and parallel resonant circuits. This highly acclaimed introduction to the world of electronics technology has been carefully updated to better provide technicians with a foundation in modern electronics needed to launch a career or pursue more advanced study. Real-world color codes and strategic highlighting are integrated with ample color charts, photos, schematics, and diagrams for a solid understanding of circuit behavior that equips

readers to progress to more complex topics with ease This edition features all new automated calculations for the formulas in the book on the accompanying CD as well as new information on admittance susceptance and more     **Who's who in Engineering** John William Leonard, Winfield Scott Downs, M. M. Lewis, 1925     *Catalogue* Case Institute of Technology, 1959  
       Scientific and Technical Aerospace Reports ,1966     *Learning Directory* ,1972     **Jane's Ocean Technology** ,1979  
       Automotive Industries ,1960     **Insulation/circuits** ,1981 Includes a special annual issue Insulation circuits directory encyclopedia     Energy Research Abstracts ,1991 Semiannual with semiannual and annual indexes References to all scientific and technical literature coming from DOE its laboratories energy centers and contractors Includes all works deriving from DOE other related government sponsored information and foreign nonnuclear information Arranged under 39 categories e g Biomedical sciences basic studies Biomedical sciences applied studies Health and safety and Fusion energy Entry gives bibliographical information and abstract Corporate author subject report number indexes     Government Reports Announcements & Index ,1978     School Shop ,1981     **Rich's High-tech Business Guide to Silicon Valley and Northern California** ,1992     Production ,1969

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