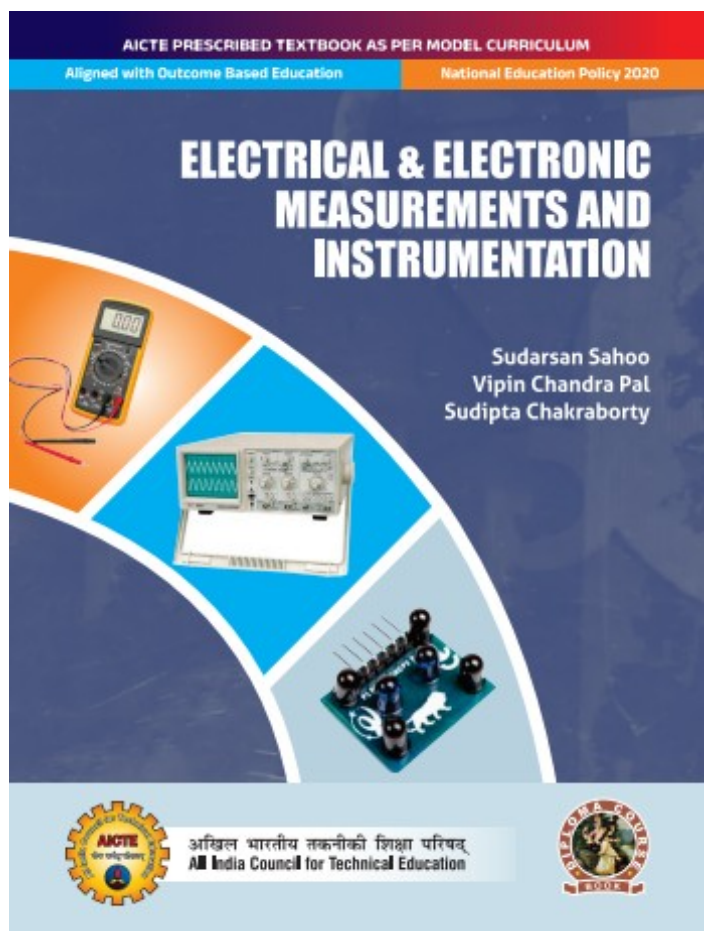




## Electrical & Electronics Measurements and Instrumentation

|                         |                                                                              |
|-------------------------|------------------------------------------------------------------------------|
| <b>Author :</b>         | Sudarsan Sahoo                                                               |
| <b>ISBN 13 :</b>        | 978-93-55389-46-6                                                            |
| <b>ISBN 10 :</b>        | 93-55389-46-9                                                                |
| <b>E-ISBN 13 :</b>      | 978-93-55389-46-6                                                            |
| <b>Edition :</b>        | First                                                                        |
| <b>Pages :</b>          | 216                                                                          |
| <b>Type of book :</b>   | Paperback                                                                    |
| <b>Year :</b>           | 2026                                                                         |
| <b>Language :</b>       | English                                                                      |
| <b>Publisher :</b>      | Khanna Publishing House                                                      |
| <b>M.R.P. :</b>         | Rs 398.00                                                                    |
| <b>Categories :</b>     | <a href="#">AICTE Prescribed Textbooks,</a><br><a href="#">English Books</a> |
| <b>Condition Type :</b> | New                                                                          |
| <b>Country Origin :</b> | India                                                                        |

## Product Description

**Electrical & Electronics Measurements and Instrumentation** This book covers electrical measurements and instrumentation as well as electronic measurements and instrumentation. It also covers the conventional as well as advanced instruments and measurement techniques. This book is having sufficient coverage of instrumentation systems. It includes different transducers with their characteristics and applications. There is a special focus on digital instruments and instrumentation which is very essential in the present trends. This book also includes some solved and unsolved numerical problems linking to the theory covered in this book. Salient features:

- Content of the book aligned with the mapping course outcomes, programs and Units Outcomes.
- In the beginning of each unit learning outcomes are listed to make the student understand what is expected out of him/her after completing that unit.
- Book provides lots of recent information, interesting facts, QR code for E-resources, QR code for use of ICT, projects, group discussion etc.
- Student and teacher centric subject materials included in book with balanced and chronological manner.
- Figures, tables, and software screen shots are inserted to improve clarity of the topics.
- Apart from essential information a 'know more' section is also provided in each unit to extend the learning beyond syllabus.
- Short questions, objective questions and long answer exercises are given for practice of students after every chapter.
- Solved and unsolved problems including numerical examples are solved with systematic steps



---

## Table of Contents

---

Foreword Acknowledgement Preface Outcome Based Education Course Outcomes Guidelines for Teachers Guidelines for Students Abbreviations and Symbols List of Figures List of Tables

1. Fundamentals of Measurements
2. Measurement of Voltage and Current
3. Measurement of Electric Power
4. Measurement of Electric Energy
5. Circuit Parameter Measurement, CRO and other Meters
6. Transducers & Signal Generators

Experiments References and Citations Co and PO Attainment Table Index

---

## Auhtor

---

**Dr. Sudarsan Sahoo** Assistant Professor Dept. of Electronics &

Instrumentation Engineering, National Institute of Technology Silchar, Silchar-788010 (Assam, India) **Dr. Vipin**

**Chandra Pal** Assistant Professor Department of Electronics & Instrumentation Engineering National Institute of

Technology Silchar Silchar-788010 (Assam, India) **Dr. Sudipta Chakraborty** Assistant Professor Department of

Electronics & Instrumentation Engineering National Institute of Technology Silchar Silchar-788010 (Assam, India)

---

