

<<电工电子专业英语>>

图书基本信息

书名：<<电工电子专业英语>>

13位ISBN编号：9787563518609

10位ISBN编号：7563518606

出版时间：2008-9

出版时间：北京邮电大学出版社

作者：辜小兵，付颖颖 编

页数：101

版权说明：本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问：<http://www.tushu007.com>

<<电工电子专业英语>>

内容概要

《21世纪中等职业教育系列教材：电工电子专业英语》适用于中等职业学校电工电子类专业一年级学生使用。

全书共分三部分，共16课52单元。

第一部分为仪器仪表的使用，包括电流表、电压表、万用表、信号发生器、示波器。

第二部分为电工基础知识，包括电路基础知识、直流电路、磁场、电磁感应、电容器、正弦交流电和三相交流电。

第三部分为电子技术基础知识，包括电子电路组成：元件及符号、PN结、二极管、三极管、放大电路、直流放大器与集成运算放大器、逻辑电路等。

本教材结合当前最新电工电子教材，内容丰富、概念准确、条理清晰。

既重视理论的阐述，又重视理论与实践的结合。

教材具有实用性、专业性、基础性、难度适当等特点。

有助于培养学生阅读电子类英语资料的能力。

为了便于学生自学，所有课文都附有译文。

书籍目录

Part I Measuring Instruments and Usage
 Lesson 1 The Use of Ammeters and Voltmeters
 Section 1 Display
 Section 2 Voltmeters
 Section 3 Ammeters
 Lesson 2 Using A Multimeter
 Section 1 Choosing A Multimeter
 Section 2 Measuring Voltage and Current with A Multimeter
 Section 3 Measuring Resistance with A Multimeter
 Lesson 3 Signal Generator
 Section 1 Introduction to Signal Generator
 Section 2 Function Generator Specifications
 Lesson 4 Oscilloscope
 Section 1 The Use of Oscilloscope
 Section 2 Using an Oscilloscope
 Section 3 Measuring A Simple Signal
 Part II Electrician Basis
 Lesson 1 The Basic Knowledge of Circuit
 Section 1 Circuit and The Basic Physical Quantities
 Section 2 Circuit Components
 Section 3 The Law of Resistance and Ohm ' S law
 Section 4 Electric Work and Electric Power
 Lesson 2 DC Circuit
 Section 1 Series and Parallel Connections
 Section 2 Kirchhoffs Law and Its Application
 Section 3 The Battery Connections
 Section 4 Calculation of Potential and Bridge Circuit
 Lesson 3 Magnetic Field
 Section 1 Magnetic Effect of Electric Current and Its Physical Quantities
 Section 2 Force Due to Magnetic Field on Current - Carrying Wire and Moving Charge
 Lesson 4 Electromagnetic Induction
 Section 1 The Phenomena of Electromagnetic Induction
 Section 2 Lorentz Force Law
 Section 3 The Other Phenomena of Electromagnetic Induction
 Lesson 5 Capacitor
 Section 1 Capacitor and Capacitance
 Section 2 The Series and Parallel of Capacitors
 Section 3 The Charge and Discharge of Capacitors
 Lesson 6 Sine AC and Three-phase AC Circuit
 Section 1 Sine AC
 Section 2 The Sine AC Circuit of Single Parameter
 Section 3 The Series Resonant Circuit
 Section 4 Three-phase AC Power Source
 Part Electronic Technology Based
 Lesson 1 Circuit Components and Symbols
 Section 1 Output Devices
 Section 2 Resistor , Capacitor , Diode , Transistor
 Lesson 2 PN Junction and Diode
 Section 1 PN Junction
 Section 2 Diode and Its Characteristics
 Section 3 Soldering and Testing Diodes
 Lesson 3 Transistor
 Section 1 Introduction to Transistor
 Section 2 Types of Transistor
 Section 3 The Detection and Welding of Transistor
 Lesson 4 Amplifier
 Section 1 Introduction to The Amplifier Circuit
 Section 2 The Composition of Amplifier
 Section 3 The Principles of Amplifier
 Lesson 5 DC Amplifier & Integrated Operational Amplifier
 Section 1 DC Amplifier
 Section 2 The Integrated Operational Amplifier
 Section 3 The Role of The Integrated Operational Amplifier
 Lesson 6 Logic
 Section 1 Introduction to Logic Gate
 Section 2 The Basic Logic Gate
 Section 3 Representations of The Logic Circuit
 Section 4 The Combination of Logic Gate
 Section 5 Using of The Gate Circuits
 Exercise 1
 Exercise 2
 电工电子常用专用名词和短语参考译文

版权说明

本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问：<http://www.tushu007.com>