

# EB02A: DC Power Supplies

Catalogue Number	EB02A-0000
Category	JobMaster
Duration	15 Hours

## How You Will Be Evaluated

### Introduction to DC Power Supplies

#### Skill 1: Drawing a Power Supply Block Diagram

DC Power Supply Principles

Skill Overview

Skill Drill

Concept Review

#### Skill 2: Drawing Schematic Symbols

Power Supply Transformers

Power Supply Rectifiers

Power Supply Filters

Power Supply Regulators

Skill Overview

Skill Drill

Concept Review

#### Skill 3: Testing a Transformer

Documentation

Skill Overview

Safety

Skill Drill

Concept Review

#### Skill 4: Locating Diodes and Symbols

Diodes

Skill Overview

Skill Drill

Concept Review

### **Skill 5: Testing a Diode**

Skill Overview

Skill Drill

Concept Review

### **Skill 6: Drawing a Half-Wave Rectifier**

Half-Wave Rectifiers

Skill Overview

Skill Drill

Concept Review

### **Skill 7: Connecting and Operating a Half-Wave Rectifier**

Skill Overview

Skill Drill

Concept Review

### **Skill 8: Drawing a Full-Wave Rectifier**

Full-Wave DC Power Supplies

Skill Overview

Skill Drill

Concept Review

### **Skill 9: Connecting and Operating a Full-Wave Rectifier**

Skill Overview

Skill Drill

Concept Review

### **Skill 10: Drawing a Single-Phase Bridge Rectifier**

Bridge Rectifiers

Skill Overview

Skill Drill

Concept Review

## **Skill 11: Connecting and Operating a Single-Phase Bridge Rectifier**

Skill Overview

Skill Drill

Concept Review

## **Comprehensive Post-Test**