

CPE-TC5030

AM/FM Transmitter & Receiver Trainer



FEATURES

- Practical training on AM/FM radio transmission and reception
- Helps understand radio characteristics through the course of experiments
- Frequency response practices using the power amplifier circuit

INTRODUCTION

The CPE-TC5030 AM/FM Transmitter & Receiver Trainer highlights hands-on practices by understanding AM/FM transmission and reception mainly used in the radio circuit. Through this training system, students can be familiar with laboratory experiments in the wireless communication field. It will require a separate DC power supply ($\pm 15V$) for the experiments.

EXPERIMENTAL CONTENTS

- RF Amplifier
- Local oscillator
- IF Amp
- 100MHz FM oscillator
- 1kHz/1MHz oscillator
- Single sideband AM demodulation
- AM/FM detector
- AM signal generation and transmission
- Superheterodyne radio reception

SPECIFICATIONS

Radio Circuit Module I



- AM/FM/RING adjustment
- HF/IF amplifier
- AM/FM detector
- Superheterodyne radio reception

Radio Circuit Module II



- Transmitter
- 100MHz FM oscillator
- 1KHz oscillator
- 1MHz oscillator
- Amplitude modulation

STANDARD ACCESSORIES

- Connection cable: 1set
- User's guide & experimental manual : 1ea

OPTIONS

- DC power supply (*model: CPM-3032)
- Oscilloscope (*model: CPM-1005BE)
- AM/FM high-frequency signal generator