

KL-900C

AM/FM TRANSMITTER & RECEIVER SYSTEM



AM Transmitter & Receiver



FM Transmitter & Receiver

1. KL-93061 AM Transmitter

- (1) AM transmitter which is perfect to produce 1MHz
- (2) Work with AM receiver experiment modules for experimenting on AM communication system
- (3) Basic experiment curriculum includes : crystal oscillator, modulator percentage, sinewave/voice modulator, balance modulator, RF amplifier, adjustment coupling, antenna adjustment
- (4) Equipped with DIP switch for failure simulation, students can practice their troubleshooting skill by setting the DIP switch to different positions.

2. KL-93062 AM Receiver

- (1) AM receiver frequency range : 535KHz ~ 1605KHz
- (2) Intermediate frequency : 455KHz
- (3) Adopt AM transmitter experiment modules for making the experiment of AM communication system.
- (4) Basic experiment curriculum includes oscillator mixer, 1st IF amplifier, 2nd IF amplifier and audio amplifier.
- (5) With DIP switch for failure simulation, students can practice troubleshooting by setting the DIP switch to different positions.

3. KL-93063 FM Transmitter

- (1) With perfect FM transmitter which is able to produce 10.7MHz Intermediate frequency.
- (2) Work with FM receiver experiment module for making the experiment of FM communication system.
- (3) Basic experiment curriculum includes crystal oscillator, frequency modulator, RF buffer, reference oscillator, frequency tachometer and audio modulator.

- (4) Equipped with DIP switch for failure simulation, students can practice troubleshooting by setting the DIP switch to different positions.

4. KL-93064 FM Receiver

- (1) FM receiver frequency range : 88MHz~108MHz
- (2) Frequency is shown by 7 segment LED display.
- (3) Basic experiment curriculum includes tuner, FM IF Amplifier, FM MPX, audio amplifier.
- (4) Student can practice trouble shooting by setting the DIP switch to different positions for failure simulation.

5. CI -18001 Power Supply

- (1) Input : AC 110/220V
- (2) Output : $\pm 5V$, 0.5A; $\pm 12V$, 0.5A

6. Module Description

- (1) 2mm gold plated plug
- (2) Components, symbols and building blocks are printed on fiber PC board. Circuit components are fixed on backside.
- (3) Module has been fixed in the bright acrylic storage cabinet.

7. Accessories (KL-98003)

- (1) Experiment manual
- (2) Small type adjustable antenna
- (3) Mini-microphone