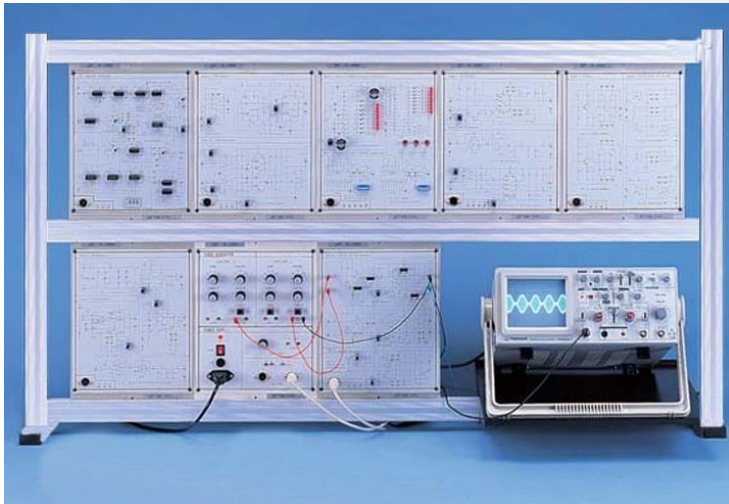


KL-901A

ADVANCED DIGITAL COMMUNICATION TRAINER



The KL -901A trainer includes the basic modules to experiment on fundamental - level topics of a telecommunication course. The purpose of the modules is to enable the student to acquire a clear experimental view of the basic concepts and a familiarization with the operative aspects of the work in the telecommunication laboratory.

- The trainer combines the basic modules with experimental circuits. It can offer the beginner complete courses of basic communication
- Equipped with power supply and signal unit, students only have to add the oscilloscope or Spectrum Analyzer, then they can complete various experiments independently
- KL-901A is an open-modularized design, it enables to extend experimental range

EXPERIMENT MODULES



1. 2mm connect leads are used throughout the system

LIST OF MODULES

2. The building blocks and components symbols of the circuits are printed on the surface of each module
3. All modules are secured in housings (297 x 226 x 60mm)
4. Storage cabinet for all modules to be easily stored
5. Completed experimental manual

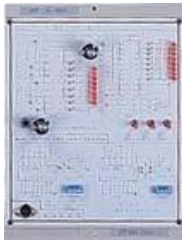
1. Digital Communication Modules (KL-900A2)

- (1) KL-94001 A/D and D/A Converter Applications
- (2) KL-94002 PWM Modulator/Demodulator
- (3) KL-94003 FSK Modulator/Demodulator
- (4) KL-94004 CVSD Modulator/Demodulator, Manchester Code Encode/Decode
- (5) KL-94005 ASK Modulator/Demodulator
- (6) KL-94006 PSK/QPSK Modulator
- (7) KL-94007 PSK/QPSK Demodulator

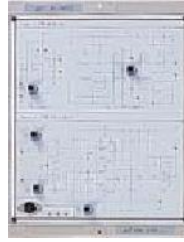
2. Power Supply & Signal Generator Modules (KL-92001)

- (8) KL-92001

Digital Communication Modules



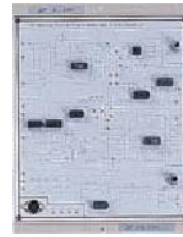
KL-94001



KL-94002



KL-94003



KL-94004



KL-94005



KL-94006



KL-94007

1. KL-94001

- (1) Analog to Digital Converter
- (2) Digital to Analog Converter

2. KL-94002

- (1) PWM Modulator
- (2) PWM Demodulator

3. KL-94003

- (1) FSK Modulator
- (2) FSK Demodulator

4. KL-94004

- (1) CVSD Modulators & Demodulators
- (2) Manchester Code Encode & Decode

5. KL-94005

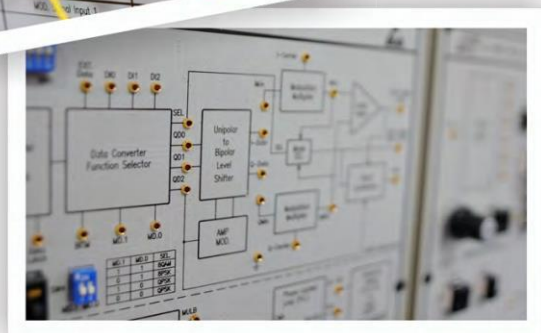
- (1) ASK Modulator
- (2) ASK Demodulator

6. KL-94006

- (1) PSK/QPSK MODULATOR

7. KL-94007

- (1) PSK/QPSK DEMODULATOR



Power Supply and Signal Generator Module



KL-92001

1. KL-92001

(1) Fixed DC Power Supply.

- a. Output Voltage : +5V, -5V, +12V, -12V
- b. Output Current : +5V/0.3A, -5/0.3A,
: +12V/0.3A, -12V/0.3A
- c. Output Connector : 2×5PIN DIN Connector
- d. Output Overload Protection

(2) Variable DC Power Supply

- a. Output Voltage : 0V~15V
- b. Output Current : 0.5A
- c. Output Overload Protection

(3) Generator

Signal Generator (1)

- a. Output Waveforms : Sine, Triangle, Square

Signal Generator (2)

- a. Output Waveforms : Sine, Triangle, Square

LIST OF EXPERIMENTS ACCESSORIES (KL-98001)

STANDARD ACCESSORIES

1. Connector leads 1 set
2. Experiment manual 1pc
3. AC cord 1 pc
4. Storage cabinet 1 sets (KL-99001)

DIGITAL COMMUNICATION

1. Analog to Digital Experiment
2. Digital to Analog Experiment
3. PWM Modulator Experiment
4. PWM Demodulator Experiment
5. FSK Modulator Experiment
6. FSK Demodulator Experiment
7. CVSD Modulators & Demodulators/ Manchester Code Encode/Decode
8. ASK Modulator/Demodulator
9. PSK/QPSK Modulator/Demodulator

5. DC Connect plug 2 pcs

OPTIONAL ACCESSORIES

1. Rack frame (KL-97001)
2. RF generator (KI-2220)



Storage Cabinet (KL-99001)



Rack Frame. (KL-97001)