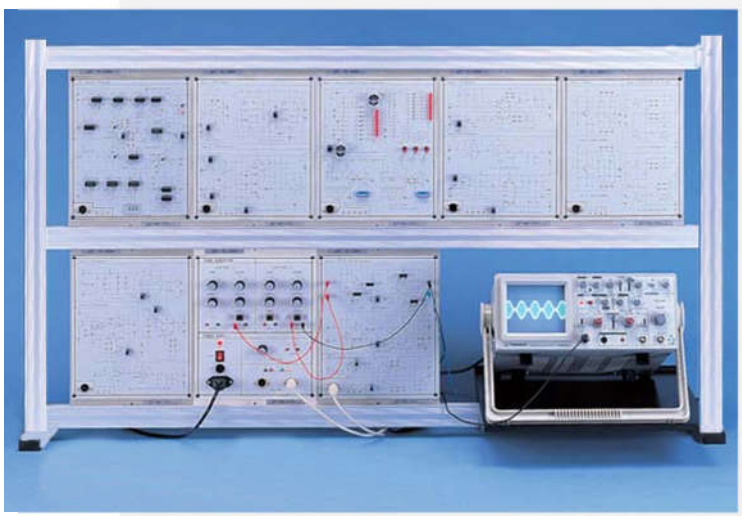
GREEN POWER

KL-900A1

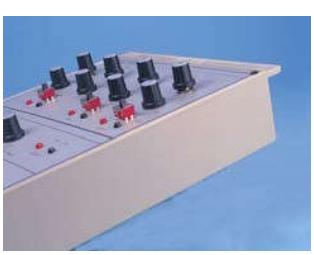
COMMUNICATION TRAINER



The KL-900A 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-900A is a open-modularized design, it enables to extend experimental range

EXPERIMENT MODULES



1. 2mm connect leads are used throughout the system
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

LIST OF MODULES

1. Digital Communication Modules(KL-900A1)

(1) KL-94001 A/D and D/A Converter Applications
(2) KL-94002 PWM Modulator/Demodulator
(3) KL-94003 FSK Modulator/Demodulator
(4) KL-94005 ASK Modulator/Demodulator
(5) KL-93006 PAM-TDM and TDM Multiplexer and Demultiplexer

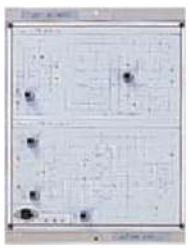
2. Power Supply & Signal Generator Modules (KL-92001)

(1) KL-92001

77 HIGH STREET#09-11, HIGH STREET PLAZA, SINGAPORE. 179433 sales@greenpower-training.com ,contact@greenpower-training.com

Digital Communication Modules

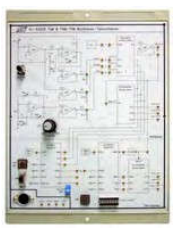
KL-94001



KL-94002

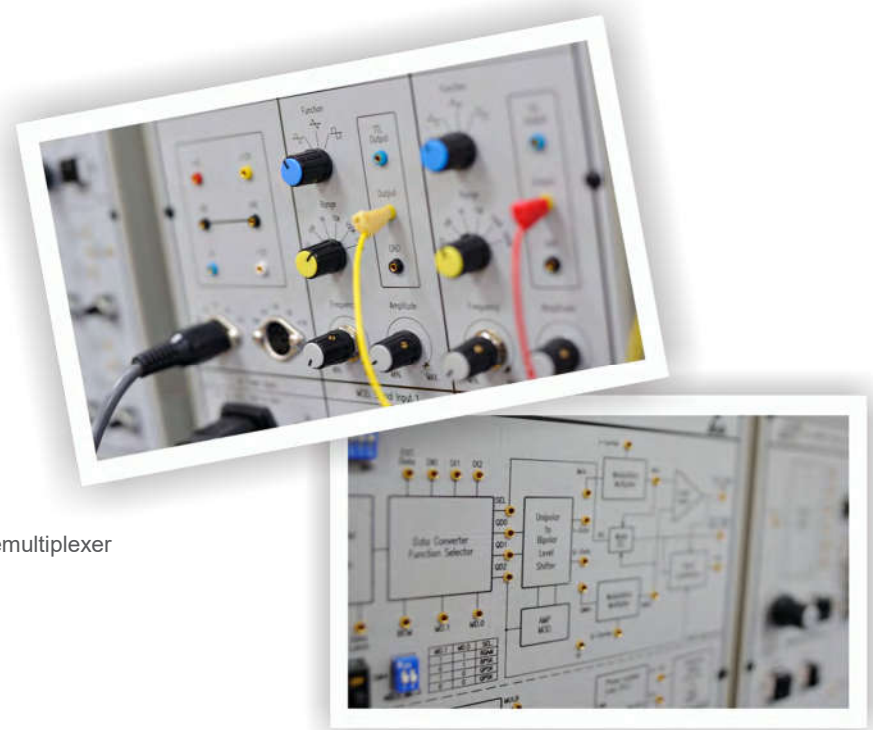
KL-94003

KL-94005



KL-93006

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-94005**
   (1) ASK Modulator
   (2) ASK Demodulator
5. **KL-93006**
   (1) PAM-TDM and TDM Multiplexer and Demultiplexer



77 HIGH STREET#09-11, HIGH STREET PLAZA, SINGAPORE. 179433 sales@greenpower-training.com ,contact@greenpower-training.com

GREEN POWER

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

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. ASK Modulator/Demodulator
8. PAM Modulator/Demodulator
9. TDM Multiplexing/Demultiplexing

ACCESSORIES

STANDARD ACCESSORIES

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

77 HIGH STREET#09-11, HIGH STREET PLAZA, SINGAPORE. 179433 sales@greenpower-training.com ,contact@greenpower-training.com