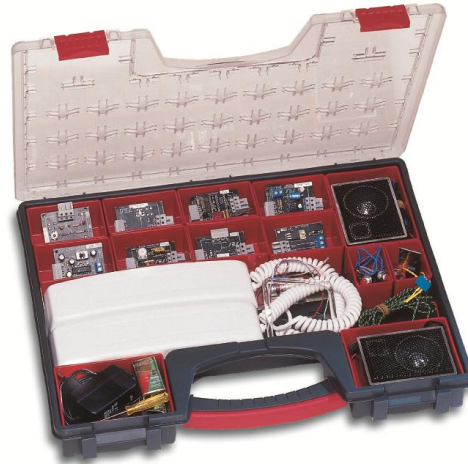


MODULE
TPS-3714

BASIC COMMUNICATION TRAINING SYSTEM



Objectives

This course introduces the student to the principles of communication and telecommunication systems

The student explores and implements various topics such as:

Telegraph Communication, telephone communication, telephone exchange, Optical & Wireless Communication.

Challenge exercise in communications.

The course is based on a problem-solving approach.

Description

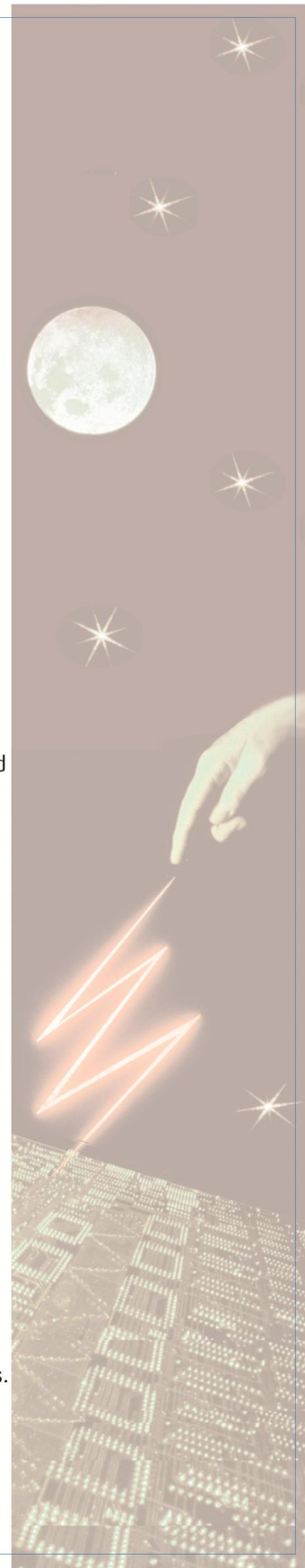
The system is stand-alone, containing all the necessary electronics components needed for performing the experiments.

This program is designed to expose students to the world of communication and to study communication techniques and needs.

Students will learn the principles of communication systems, transmission, reception and amplification. They will also learn to build a telegraph, telephone and optical communication systems, as well as learning about telephone switching systems.

The course is divided into 5-6 two-hour sessions.

No previous scientific or technological knowledge is required, and the system is eminently suitable for students from junior high school level and upwards.



M O D U L E

TPS-3714

Basic Communication Training System

Technical characters

The system consists of a set of independent modular boards that can be connected in different configurations to implement various application. The system includes the following modules:

Power Supply

- Power Supply Module
- 2 Speakers, Telephones
- Audio Amplifier
- Pushbutton Switches
- Buzzers,
- Pulse Generator
- Optical Transmitter
- Optical Fiber,
- Microphone and Telephone exchange

Experiments

This system enables the student to perform several experiments and covers the following topics:

- Signals and codes - introduction
- Telegraph communication.
- Telephone communication.
- Telephone exchange.
- Optical communication.
- Challenge exercises.

ScienTech 3000
Science and Technology

 Scientific Educational Systems

