

Cordless Telephone Demonstrator

Model : SA-905

SINCOM Cordless Telephone Demonstrator is useful to demonstrate installation, functionality, signal analysis, voltage analysis of Cordless Telephone system. This trainer provides a comprehensive learning experience, offering clarity and simplicity in conducting experiments on Cordless Telephone. Moreover, it enables users to establish RF link between Base (Master) and Remote or Handset (Slave) unit for Intercom and DOT line interface.

Features

- ❖ Separate Master and Remote unit with detail functional diagram.
- ❖ RF Transceiver pair
- ❖ Long Distance
- ❖ LCD Display
- ❖ Hands Free Option
- ❖ Pulse and Tone Dialing
- ❖ Intercom facility
- ❖ Facility of Mute, ON/OFF Hook Switch and Redial
- ❖ Control panel of Telephone IN, Telephone OUT, Handset Input, Ring control
- ❖ Facility to connect external audio input from signal generator.
- ❖ Power ON/OFF Controls on board
- ❖ Functional Block Diagram printed in multicolor on the front panel of the white board
- ❖ Enclosed in an attractive, light weight, High Quality elegant wooden cabinet
- ❖ Interconnections by 2mm high quality banana sockets and pins.
- ❖ Maximum Test points to thoroughly explore all facets of the experiments

Technical Specifications

▪ Communication Units	: Master (Base) and Remote or Handset (Slave) Unit
▪ RF Communication	: RF 900MHz
▪ Communication Distance	: 3 meter
▪ Display	: LCD Display
▪ Line In Section	: One DOT line connection port
▪ Handset	: One Handset connection port
▪ Keyboard	: 4X3 Matrix keyboard
▪ Dialer	: Tone and Pulse
▪ Speech Path	: Fully Non-Blocking
▪ Dial Pulse Ration	: 10pps $\pm 10\%$
▪ Tone Frequency	: 430 Hz OR as per available Input source
▪ Signal Input Power	: DOT lines and Intercom
▪ Power Supply	: 230V $\pm 15\%$ AC 50Hz
▪ Weight	: 6.0 kg (approx)
▪ Dimensions (mm)	: L 444 x W 127 x H 539
▪ Interconnections	: 2mm Banana sockets
▪ Operating Temperature	: 0-55°C, 85% RH



An ISO 9001:2015 Co.

Learning Scope

- To study the basic Principle and concept of Cordless Telephone.
- To study the functional block Diagram of Master (Base) Unit.
- To study the functional block Diagram of Remote (Handset) Unit.
- To study the setting up of Remote unit with Base Unit.
- To study the Dialler Section.
- To study the Speech Section.
- To study the Ringer Section.
- To study the Power Supply Section.
- To study Pulse Dialling and Tone Dialling.
- To study the RF section of Base and Remote Unit.
- To study switching mechanism between subscribers.
- To study the Transmission and Reception of audio signals between Base and Remote Unit.
- To study voltage and signal analysis on Base and Remote unit.

Other Instruments Required : Digital Multimeter (DMM), CRO

Accessories Included : Telephone cords , Patch Cords and Detail Instruction Manual.