



Sciencetech Telephone platform Sciencetech 2654 is an ideal training equipment to teach the operation of Telephone. It is demonstrator cum Trainer specifically designed for the study of working of telephone.

Sciencetech 2654 platform has been so designed to meet the requirements of electrical & electronics engineering student of the degree level. The platform has been so presented that any engineering student with a basic knowledge of the various electronic building blocks and fundamentals of communication system will have no difficulty in understanding the platform.

We hope our attempt will help the user to understand the basic concept and working of telephone.

Features

- Self contained easy to operate trainer**
- On board telephone line connection facility**
- Functional blocks indicated on board mimic**
- Operation manual provided**
- Compact size**
- Various Test Points & LEDs are provided on board**
- Switch faults are provided to study different effects on circuit**
- Tone Dialing as well as Pulse Dialing facility**
- High Pass & Low Pass Filters to study the DTMF frequencies.**
- 2 Years Warranty**

Scope of Learning

- Study of the Telephone by Line Connection or By Simulated Power Supply
- Study of the Polarity Protection Block
- Study of the Working of Voltage Dropper Circuit in Telephone
- Study of the Working of Ringer Circuit
- Study of the Working of Key Matrix Section
- Study of the Working of Dialer Section & of DTMF Signals
- Using High Pass Filter and Low Pass Filter
- Study of the Working of Sound Section or Speech Section
- Study of the Telephone Trainer by Switched Faults

Technical Specifications

Operation	:	1. Stand Alone 2. One DOT/EPABX Line connection Port
Handset	:	Handset connection Port (RJ-45)
Key Board	:	3 X 4 matrix Key board
Dialer	:	DTMF and Pulse dialing redial up to 32 digits, 'On/Off' Hook switch
Indications	:	Line on / Pulse Dialing Indication, Tone Dialing Indication
Control	:	Ringer Volume Control
Speech Path	:	Non Blocking
Dial Pulse Ratio	:	67 : 33% Make Break Ratio approximately
Input Power	:	From Internal Power Supply From Telephone Line
Test Points	:	25 numbers Test Points are provided to observe various signal/ voltages to understand the working of telephone
Switched Faults	:	4 nos.
Power Supply	:	230 V \pm 10%, 50/60Hz
Operating Temperature	:	?
Weight	:	2.5 kg. approximately
Dimensions (mm)	:	W 340 x D 240 x H 100
Learning material	:	CD (Theory, procedure, reference results, etc). Online (optional)
Included Accessories :		
Telephone handset	:	1 no.
Mains cord	:	1 no.
Patch cords 16"	:	2 nos.
Learning material (CD)	:	1 no.

Designed & Manufactured by -

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