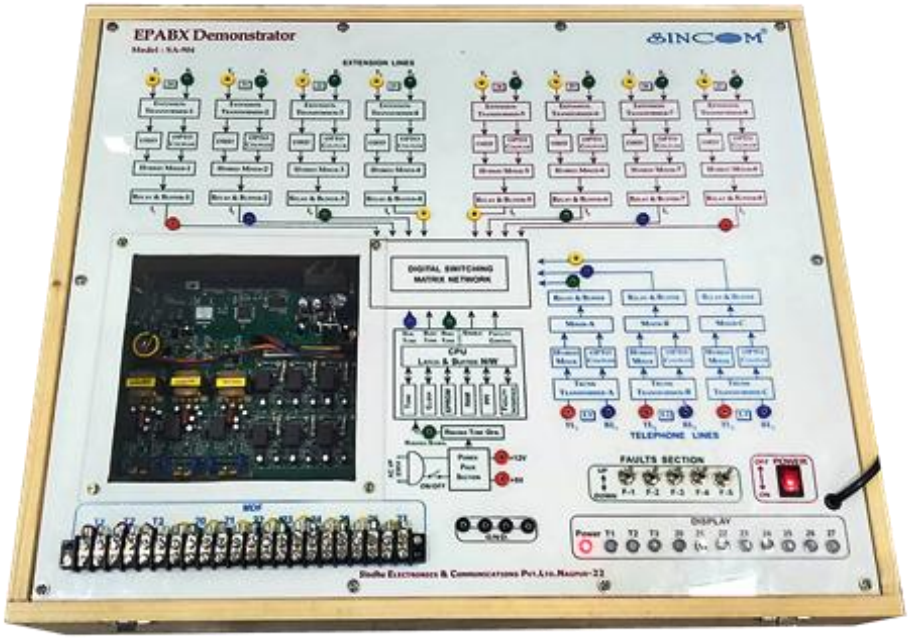
EPABX Demonstrator
with P & T Interface and Faults Creating Facility

Model : SA-904



SINCOM EPABX Demonstrator is fully comprehensive trainer for the purpose of learning the functionality, installation, signal analysis, voltage analysis, programming and troubleshooting of 3x8 EPABX (Electronics Private Automatic Branch Exchange) system. It allows user for the study of signal and voltage analysis in each individual section and offers the capability to create 5 different faults across all sections and interface 3 DOT lines with 8 telephone extensions.

Features

- 3 x 8 EPABX System
- MDF section of 8 Extensions and 3 Telephone line interface on board
- Digital Switching Matrix Network
- 05 Switch Faults Creating facility
- DTMF/Pulse Dialing
- LED Line Status indication
- Distinctive ringing, Simultaneous Ringing
- 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

- Line In Section : DOT line and Extensions connection port
- No of Subscribers : 3 DOT Lines and 8 Extension Lines (3 x 8 System)
- Line Section : Opto Isolation for Trunk Lines and 8 Extension Lines.
- Tonic Generation : Dial Tone, Busy Tone, Ring Back Tone, Hold-on music etc.
- CPU Section : Microprocessor Z80 or other
- Memory : 64KB Program memory (EPROM) and 32KB Data RAM for buffer
- Speech Path : Fully Non-Blocking
- Loop Resistance : Extension - 600 Ohms and Co-line -1200 Ohms
- Cross Talk Attenuator : > 70 dBM
- Idle Channel Voice : > 70 dBM
- Insertion Loss : Extension to Extension and Extension to DOT Line -60 dBm
- Dial Pulse Ratio : 10pps +/- 10%
- Dialer : Tone and Pulse
- Input Power : 230V AC, 50HZ.
- Longitudinal Balance : 60dBm
- Telephone Instruments : 4 Nos.
- Power supply : +12V, +5V, etc.
- Total Faults Switches : 05
- Test Points : 40 approx.
- Weight : 5.0 kg (approx)
- Dimensions (mm) : L 444 x W 127 x H 539
- Interconnections : 2mm Banana sockets
- Operating Temperature : 0-55^{0}C, 85% RH

Learning Scope

- To study the basic Principle and concept of EPABX.
- To study the functional Block Diagram of EPABX.
- To study the Dial Tone, Busy Tone & Ringing Tone.
- To study the Power Supply Section of EPABX.
- To study the MDF section.
- To study the EPABX Programming.
- To study Pulse and Tone Dialling.
- To study switching mechanism between subscribers.
- To observe & note the signals at the various points of the circuit.
- To study the 05 faults on all various sections of EPABX.

Other Instruments Required : Digital Multimeter (DMM), CRO.

Accessories Included : Telephone Instrument (4 No.),Patch Cords and Detail Instruction Manual.

Subject to Change