

KVT-XX

VOCATIONAL TRAINER KIT

**KVT-02
EPABX TRAINER**



KVT-02 EPABX Trainer is a Microprocessor based system designed to help the students to understand the basic concept and working of a Telephone Exchange. All the components are mounted on a single PCB in functional blocks and have various Test points to monitor all kinds of telephonic signals.

Features

- ◊ Non-Blocking type tone dialling,
- ◊ Distinctive Ringing,
- ◊ DTMF/ Pulse Dialing, Music on hold,
- ◊ Line Status Indication on the Exchange,
- ◊ Executive Telephone with special features,
- ◊ Control methods,
- ◊ Abbreviated Dialing,
- ◊ Automatic Call Back,
- ◊ Barge-in-with/ without tone,
- ◊ Call camp-on, Call Parking,
- ◊ Call Pick-up, Call Restriction,
- ◊ Call transfer,
- ◊ Call Forwarding,
- ◊ Follow me,
- ◊ Conference 4-Party,
- ◊ Direct outward dialing,
- ◊ Do not Disturb,
- ◊ Extension Privacy,
- ◊ Extension to Extension Call,
- ◊ Hotline on Extension,
- ◊ Hunting Group,
- ◊ Last Number Redial,
- ◊ Selective Trunk Line Access,
- ◊ Simultaneous Ringing,
- ◊ Wake up Alarm/ Reminder Call.

Specification

- **No. of Subscribers** : Two DOT Lines, Four Extension Lines
- **Line Section** : Opto Isolation for Trunk Lines and 4 Extension Lines.
- **Tone Generation** : Dial Tone, Busy Tone, Ring Back Tone, Hold-on music etc.
- **CPU Section** : Z80 Microprocessor based stored program control.
- **Memory** : 64KB Program memory (EPROM), 32KB Data RAM for buffer.
- **Speech Path** : Fully Non- Blocking.
- **Loop Resistance**
 - Extension : 600 Ohms.
 - Co-line : 1200 Ohms.
- **Cross Talk Attenuator** : >70dBm.
- **Idle Channel Voice** : >70 dBm.
- **Insertion Loss** : Extension to Extension not Less than 60 dBm. Extension to DOT Line not Less than 60 dBm.
- **Dial Pulse Ratio** : 10pps +/-, 10%
- **Input Power** : 230VAC, 50Hz.
- **Longitudinal Balance** : 60dBm.
- **Switch Faults** : 8 Switch Faults are provided on board to study different effects on circuit.
- **Power Requirement** : +11V, +23V, +5V, +15V.

Optional

- Telephone set : 4 Nos.

