



PCM SWITCHING AND TRANSMISSION SYSTEM

MODEL PSTN200

This trainer has been designed with a view to provide Practical and experimental Knowledge of a general circuit of PCM switching and transmission on Single P.C.B.



SPECIFICATIONS

- 4 User's interfaces (SLIC) for the connection of 4 telephones:
3 with pulse selection (PULSE)
1 with multi frequency selection (DTMF)
- 4 CODEC carrying out the following functions for each user:
Filtering
Conversion into PCM of the phone signal and vice versa
Time-slot assignment
32-channel serial frame creation (2,048 kb/s)
- 1 Digital switched matrix, providing the "routing" of the signals to carry out the required connections
- 1 Control microprocessor, which can be interfaced to PC supervision and programming operations of the exchange control parameters
- 1 CEPT interface enabling to simulate the connection toward another telephone central station and includes:
 - HDB3 coder-transmitter
 - Line equalizer
 - Receiver clock recovery
 - HDB3 receiver-decoder
- 1 Artificial line 1 Noise generator
- 1 Synchronization system for Time Slots display on the oscilloscope
- Structure: compact box with liftable cover including all electronic parts.
- The test points and the fault simulator
- The cover includes the block diagram of the circuit and the signaling leds
- Test points: 34 mounted on the printed circuit and connected directly the circuits of the equipment
- Fault simulator: 12 faults inset-table by means of switches, protected' with key-locked cover
- Power supply: 230V AC ,50/60 Hz

ACCESSORIES:

- Theoretical-experimental handbooks
- Unit in structure with included power supply
- 4 telephone equipment with pulse and multi-frequency selection (PULSE/TONE)
- Power supply cord

In keeping view of SIGMA policy of continuous development and improvement, the Specifications may be changed without prior notice or obligation.

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