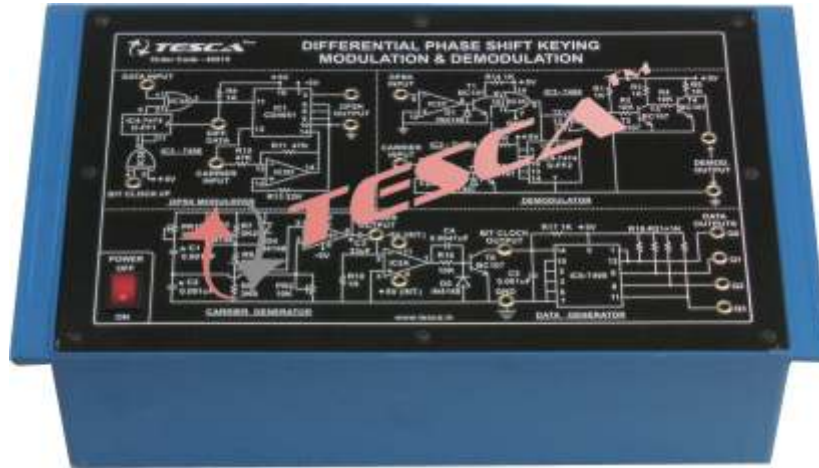


Experimental Training Board has been designed specifically to study Differential Phase Shift Keying (DPSK) Modulation and Demodulation.

Practical experience on this board carries great educative value for Science and Engineering Students. The unit is absolutely self contained except CRO.



**Object:**

To study Differential Phase Shift Keying Modulation and Demodulation.

**Features:**

The board consists of the following built-in parts :

01.  $\pm 5V$  D.C. at 100mA IC regulated Power Supply internally connected.
02. IC-1 for generating DPSK (Differential Phase Shift Keying) signal.
03. IC-5 for generating Carrier signals.
04. IC-2A for generating Bit Clock.
05. IC-6 for generating different Datas.
06. IC-2 B & C, IC-3 C & D, IC-4 D-FF2 and Transistor 2, 3 & 4 are used as Demodulator.
07. Adequate no. of other electronic components.
08. Mains ON/OFF switch, fuse and jewel light.
  - \* The unit is operative on 230V  $\pm 10\%$  at 50Hz A.C. Mains.
  - \* Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length  $\frac{1}{2}$  metre.
  - \* Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections /observation of waveforms.
  - \* Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

**Other Apparatus Required:**

- \* Dual Trace Cathode Ray Oscilloscope 20MHz

Note: Specifications are subject to change.

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