

Order Code - 40630 are compact and user friendly learning platforms to provide a modern, portable, comprehensive and practical way to learn Technology. Each 40630 provided with detailed Multimedia learning material which covers basic theory, step by step procedure to conduct the experiment and other useful information.

Order Code - 40630 provides an extensive hands on ASK, FSK, BPSK, DBPSK Modulator & Demodulator.

### OBJECT

01 Amplitude Shift Keying Modulation & Demodulation

Objectives:

- 01 Study and analysis of Amplitude Shift Keying Modulation
- 02 Study and analysis of Amplitude Shift Keying Demodulation.
- 03 Study and analysis of Integrator and Comparator block

02 Frequency Shift Keying Modulation & Demodulation

Objectives:

- 01 Study and analysis of Frequency Shift Keying Modulation
- 02 Study and analysis of Frequency Shift Keying Demodulation.
- 03 Study and analysis of Integrator and Comparator block.

03 Binary Phase Shift Keying Modulation & Demodulation

Objectives:

- 01 Study and analysis of Binary Phase Shift Keying Modulation .
- 02 Study and analysis of Binary Phase Shift Keying Demodulation.
- 03 Study and analysis of Integrator and Comparator block .

04 Differential Binary Phase Shift Keying Modulation & Demodulation

Objectives:

- 01 Study and analysis of Differential encoder and decoder.
- 02 Study and analysis of Differential Binary Phase Shift Keying Modulation .
- 03 Study and analysis of Differential Binary Phase Shift Keying Demodulation.



### FEATURES

- 01 Personalized Learning platform
- 02 On-board Data Generator with various data patterns
- 03 Selectable data frequencies and data patterns

### TECHNICAL SPECIFICATION

01 Modulation & Demodulation Techniques	:	ASK, FSK, BPSK, DBPSK
02 Internal Data Generator	:	Digital data (PNS)
03 Data Pattern	:	8-Bit, 16-Bit, 32-Bit, 64-Bit
04 Frequency	:	2KHz, 4KHz, 16KHz
05 Internal Carrier Generator	:	Direct Digital Synthesized
06 Carrier Signal	:	Sine
07 Number of Test Points	:	39 nos.
08 Crystal Frequency	:	4.096MHz
09 Selection Mode	:	atch cords
10 Operating Condition	:	0-40° C, 85% RH
11 Power Supply	:	230V AC, 50Hz
12 Weight	:	4.5 Kg (approx)
13 Dimensions (mm)	:	W415xD165xH315

### LIST OF ACCESSORIES:

- 01 Patch cord 2mm length 50cm. Red.....04
- 02 Patch cord 2mm length 50cm. Black.....03

Note: Specifications are subject to change.

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