

Product Code . JL-CT-1503

## Delta Modulation and Demodulation



### Description

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#### Delta Modulation and Demodulation

##### Object:-

To study delta modulation and demodulation.

##### Features:-

**The board consists of the following built-in parts :**

5V D.C. at 100mA IC regulated power supply internally connected

±12V D.C. at 100mA IC regulated power supply internally connected

Quad Op-Amp IC

Two Up/Down counter IC

Digital to Analog convertor DAC IC

Quad two input NAND gate IC

Timer IC

Cooperator IC

Potentiometer for varying amplitude of modulating signal

Mains ON/OFF switch, fuse and jewel light

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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

Weight : 3 Kg. (Approx.)

Dimension : W 340 x H 110 x D 210

**Other Apparatus Required:**

Cathode Ray Oscilloscope 20MHz

**Delta Modulation and Demodulation**

**Object:**

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**Features:**

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$\pm$ 12V D.C. at 100mA IC regulated power supply internally connected

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Two Up/Down counter IC

Digital to Analog convertor DAC IC

Quad two input NAND gate IC

Timer IC

Cooperator IC

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