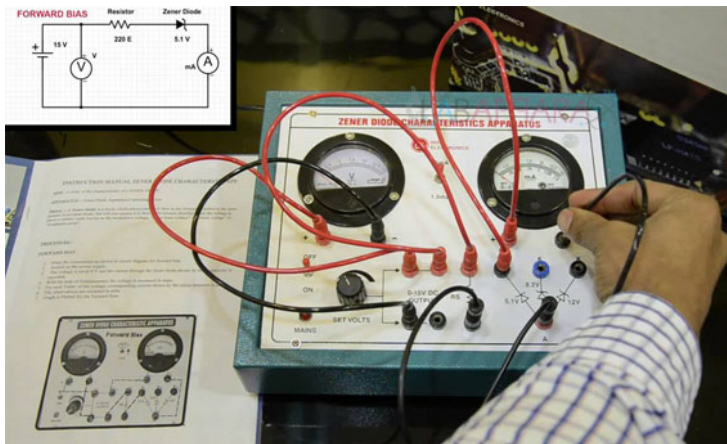


## Delta Modulation & Demodulation



**Product Categories:** [Basic Communication Lab](#), [Engineering Equipment](#)

**Product Page:**

<https://www.labappara.com/product/delta-modulation-demodulation/>

### Product Description

#### Delta Modulation & Demodulation

##### **FEATURES:**

##### **DELTA MODULATION:**

The modulation circuit consists of IC's LM741 and CD4013. IC-LM741 functions as a comparative circuit and IC-CD4013 is an D-Flip-flop, functions to hold the quantized error signal during sampling signal.

##### **DEMODULATION:**

The Demodulation circuit consists of IC's CD4016. The IC CD4016 is an quad bilateral switch. The bilateral switch functions as to reconstruct the original signal. Here, same clock pulses is apply to the CD4013 and CD4016 IC's.

Clock Generator :

Output Square

Frequency 100KHZ

Amplitude 10V

Audio Oscillator:

## Output Sine

Frequency 200Hz-2KHz

Amplitude 0-10V

Power Supply : +5V, -5V/500mA

Dimension : 41.5cms x 31.5cms x 13.5cms.

Weight: 750gms (app.)

Power: 230V Ac,50Hz mains operated.