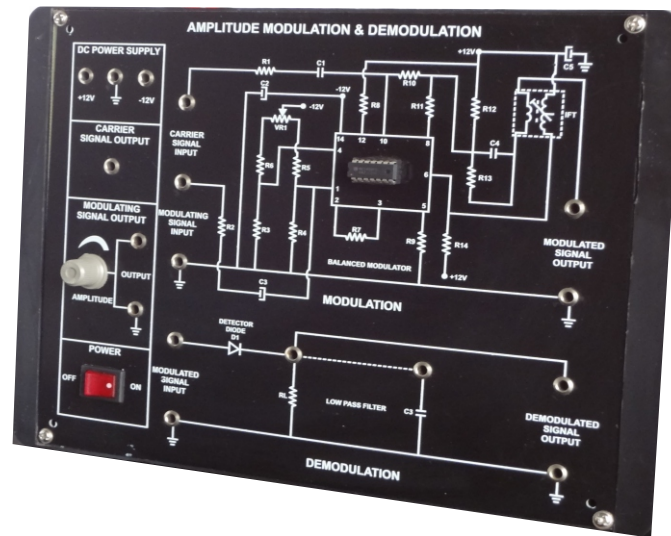


AMPLITUDE MODULATION AND DEMODULATION



AMPLITUDE MODULATION AND DEMODULATION

MODEL : AT 100

Objective :

- Observe change in the Carrier amplitude according to the amplitude of the modulation Signal
- Calculate Modulation Index of the Modulated Signal
- Recovery of Modulating Signal from Demodulator Circuit.

Technical Specification :

- * In built IC based DC Regulated Power Supply $\pm 12V/ 500mA$
- * On board Sine Wave Audio Frequency Signal Generator, Frequency : 1KHz, Amplitude : 0-2Vpp Approx
- * On board Carrier Signal Generator, Frequency : 455KHz, Amplitude : 2.5Vpp Approx.
- * Modulation using Balanced Modulator IC LM 1496
- * Demodulation using Diode Detector OA 79
- * Glass Epoxy PCB used as front panel & mounted on light weight shock proof plastic cabinet

Size (mm) : 280 x 205 x 85

Power Requirement : 220V AC $\pm 10\%$, 50Hz

Standard Accessories : Patch Cords & Instruction Manual

Optional Accessories : CRO 20MHz

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