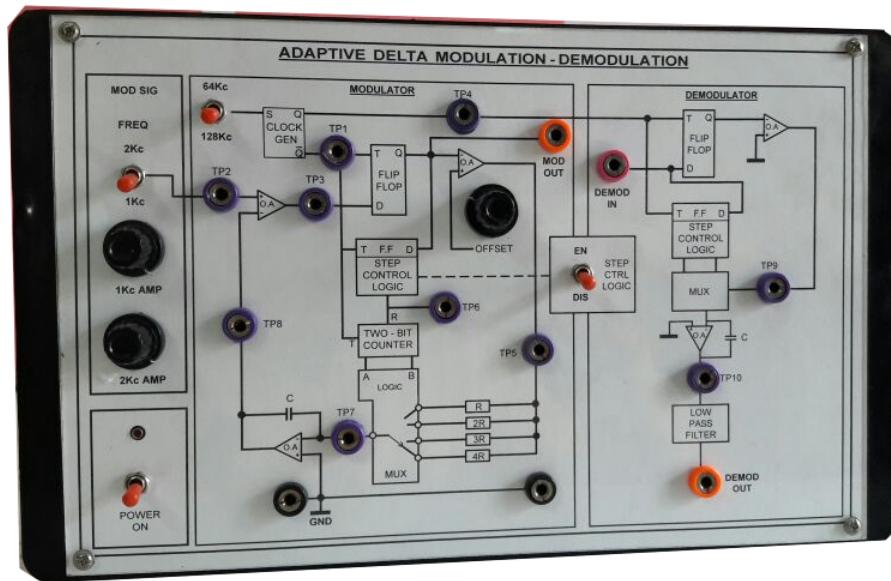


ADAPTIVE DELTA MODULATION AND DEMODULATION



ADAPTIVE DELTA MODULATION AND DEMODULATION

MODEL NO : AT 112

Objective :

- Observe Linear Delta Modulation & Adaptive Delta Modulation.
- Curve the problem of Slope Overloading by Adaptive Control Circuit & study of Effect on Demodulation Signal by Changing in Sampling Frequency.
- Recovery of Modulation Signal from Demodulator Circuit.

Technical Specification :

- * In built IC Based DC Regulated Power Supply $\pm 12V$ & $\pm 5V$ / 500mA
- * On Board Sine Wave Audio Frequency Signal Generator, Frequency : 1KHz & 2KHz Amplitude : 0-8Vpp Approx.
- * On Board Sampling Pulse Generator, Frequency : 64KHz, 128KHz Amplitude : 5Vpp Approx.
- * Modulation using a Flip Flop, a Unipolar to Bipolar Converter, an Integrator & a Comparator. A Step Control Logic is an additional Circuit which can be brought in or out by mean of another Miniature Toggle Switch available in Demodulator Circuit.
- * Demodulation using Flip Flop, a Unipolar to Bipolar Converter, an Integrator & 4th Order Low Pass Filter

Size (mm) : 330 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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