



# PULSE WIDTH MODULATION/ DEMODULATION TRAINER

MODEL - COM107M

This trainer has been designed with a view to provide practical and experimental knowledge of Pulse width Modulation/Demodulation technique on a SINGLE P.C.B.



## SPECIFICATIONS

1. Power supply requirement : 230V AC, 50 Hz.
2. Built in IC based power supply.
3. On Board AF Modulating signal generator - Sine wave  
Frequency Range : 300 Hz to 3.4 KHz  
Amplitude : 0 to 5 Vpp.
4. On Board Sampling Pulse signal generator.  
Frequency Range : 2 KHz to 32 KHz.  
Pulse width : Variable.
5. Modulator Sections : Comparator.
6. Demodulator Sections : Comparator & Low Pass Filter
7. Standard Accessories : 1. A Training Manual.

## EXPERIMENTS

1. To study theory of Pulse Width Modulation & Demodulation.
2. To generate PWM signal
3. To demodulate PWM signal
4. To prove Nyquist's Sampling Theorem.

In keeping view of SIGMA policy of continuous development and improvement, the Specifications may be changed without prior notice or obligation.

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