

Year/Semester : II B.Tech – 2<sup>nd</sup> Semester  
 Lab code/ Name : EC406ES / ANALOG COMMUNICATIONS LAB  
 Lab Incharges : 1. V.V.Prakash  
 2. N.Rajesh

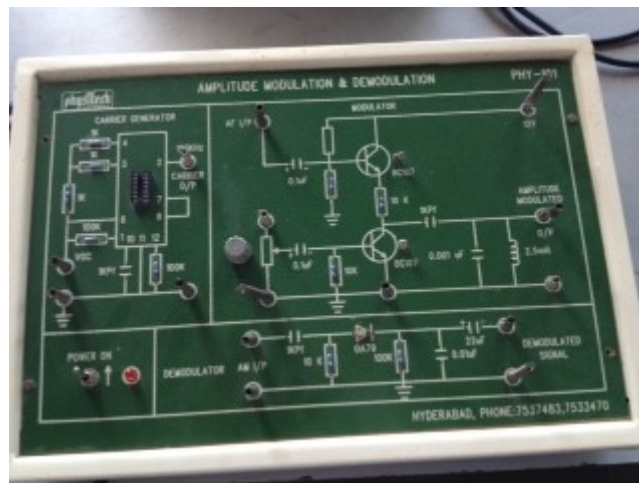
**List of Experiments :**

1. Amplitude modulation and Demodulation
2. DSB-SC modulation and Demodulation
3. SSB-SC modulation and Demodulation
4. Frequency modulation and Demodulation
5. Study of Spectrum analyzer
- 6.Pre- Emphasis and De-emphasis
7. TDM and De-Multiplexing
8. FDM and De-Multiplexing
9. Verification of sampling Theorem
- 10.Pulse Amplitude Modulation and demodulation
- 11.Pulse width Modulation and demodulation
12. Pulse Position Modulation and demodulation
13. Frequency Synthesizer
14. AGC Characteristics
15. PLL as FM demodulator

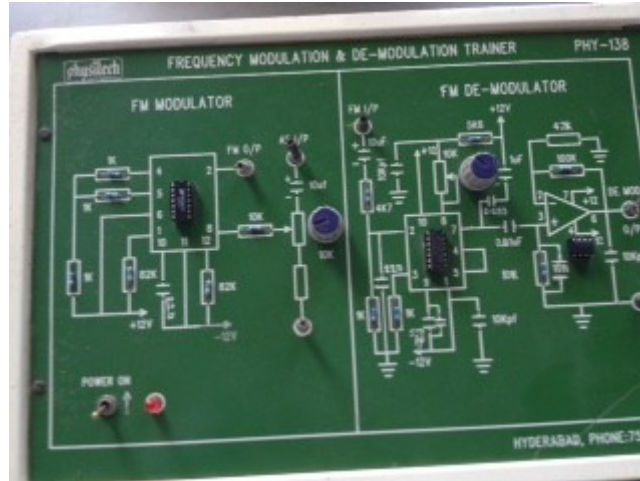
S.NO:	Equipment	Quantity	Specifications	Photos
1	Amplitude modulation and Demodulation	4 nos.	Trainer kit	Attached.
2	DSB-SC modulation and Demodulation	4 nos	Trainer kit	

3	SSB-SC modulation and Demodulation	4 nos.	Trainer kit	
4	Frequency modulation and Demodulation	4 nos.	Trainer kit	
5	Study of Spectrum analyzer	1 no.	Trainer kit	
6	Pre- Emphasis and De-emphasis	3 Nos.	Trainer kit	
7	TDM and De-Multiplexing	3 Nos.	Trainer kit	
8	FDM and De-Multiplexing	2 Nos.	Trainer kit	
9	Verification of sampling Theorem	4 nos.	Trainer kit	
10	Pulse Amplitude Modulation and demodulation	3 nos	Trainer kit	
11	Pulse width Modulation and demodulation	3 nos.	Trainer kit	
12	Pulse Position Modulation and demodulation	3 nos.	Trainer kit	
13	Frequency Synthesizer	4 Nos.	Trainer kit	
14	AGC Characteristics	2 nos	Trainer kit	
15	PLL as FM demodulator	4 nos	Trainer kit	

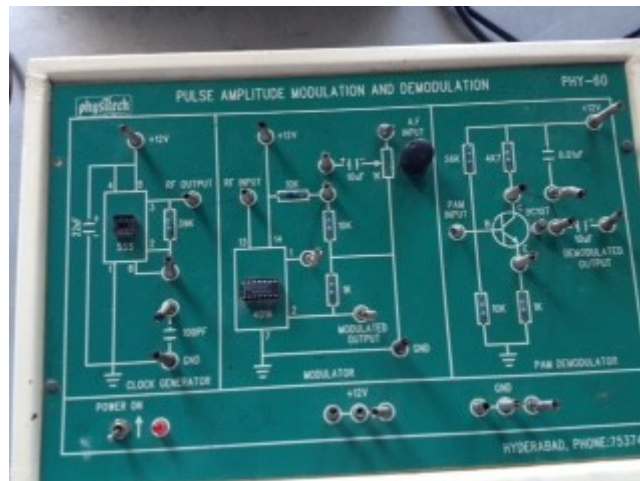
Amplitude modulation and Demodulation kit:



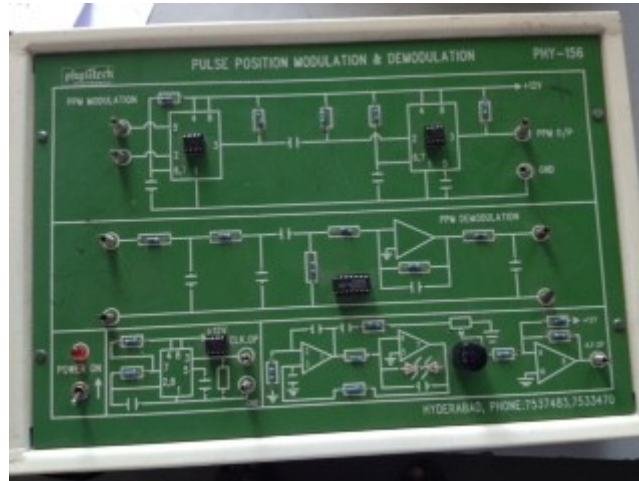
Frequency modulation and demodulation kit



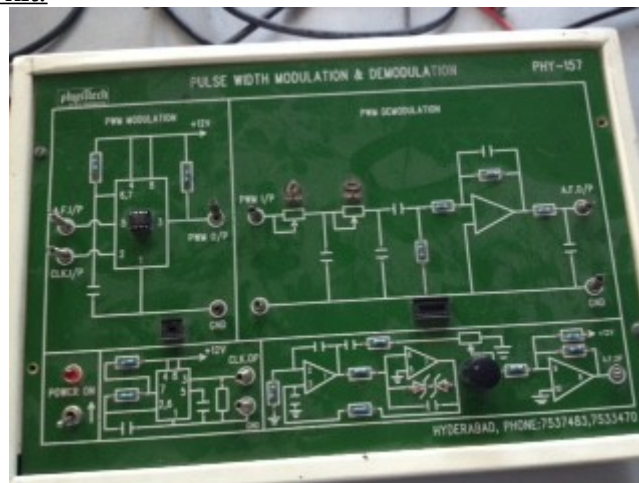
Pulse Amplitude Modulation kit



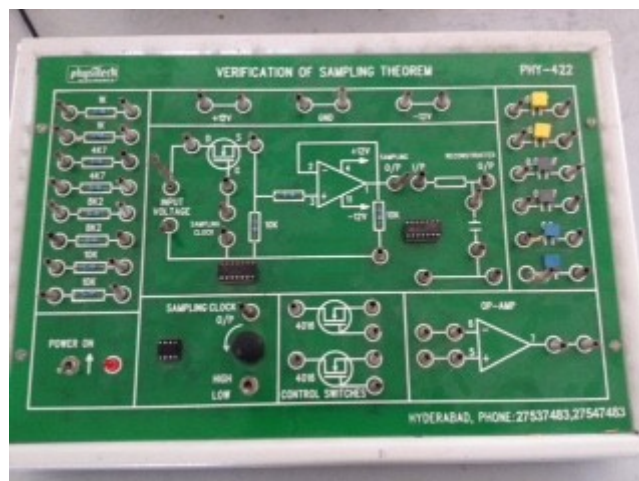
Pulse Position modulation kit



Pulse Width modulation kit:



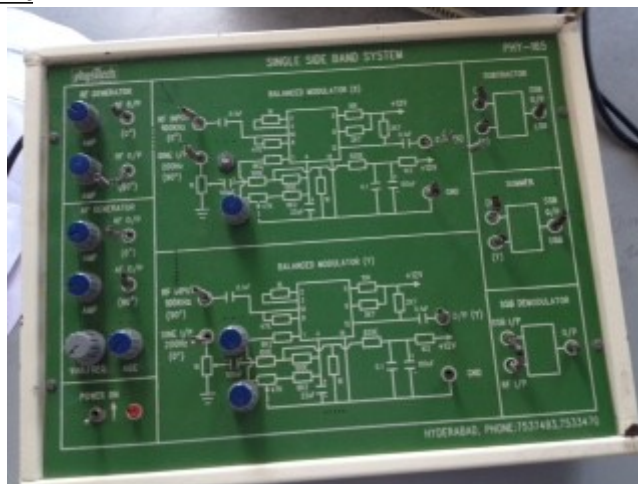
Verification of Sampling Theorem kit:



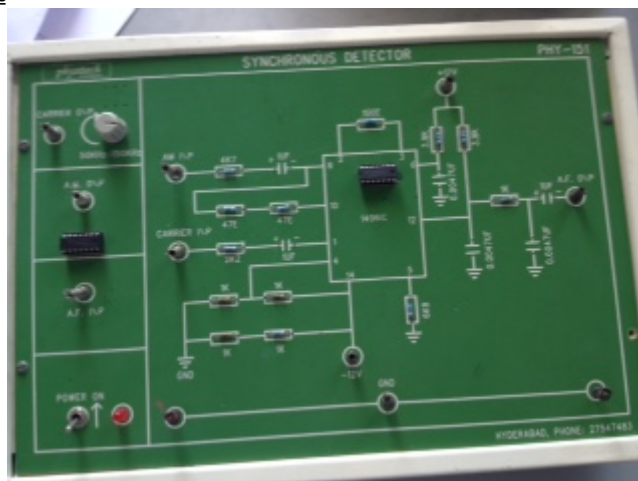
Spectrum Analyzer



Single Sideband system kit



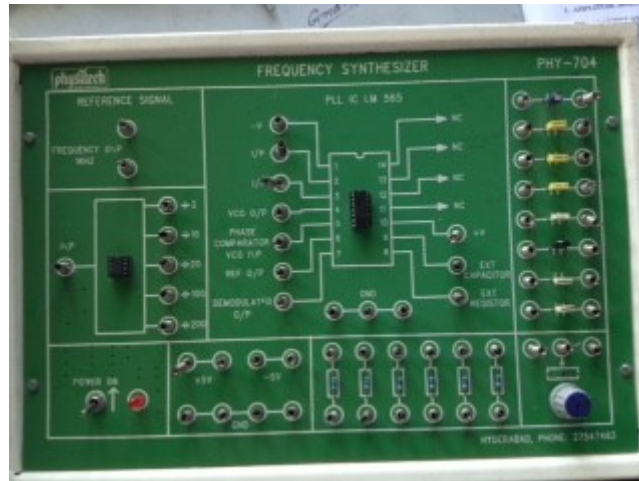
Synchronous detector kit



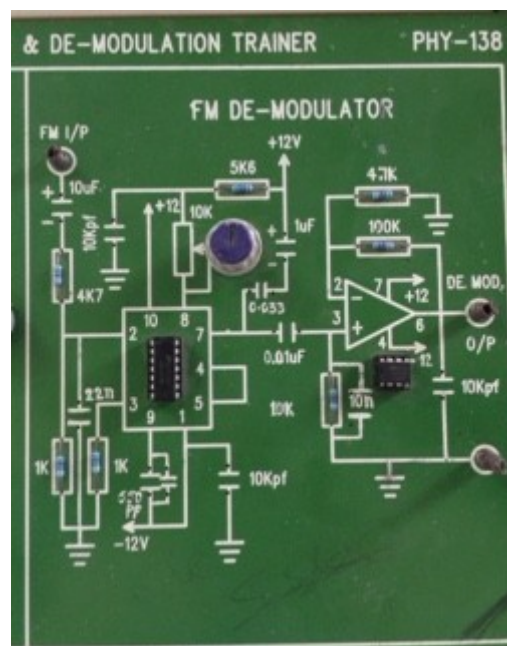




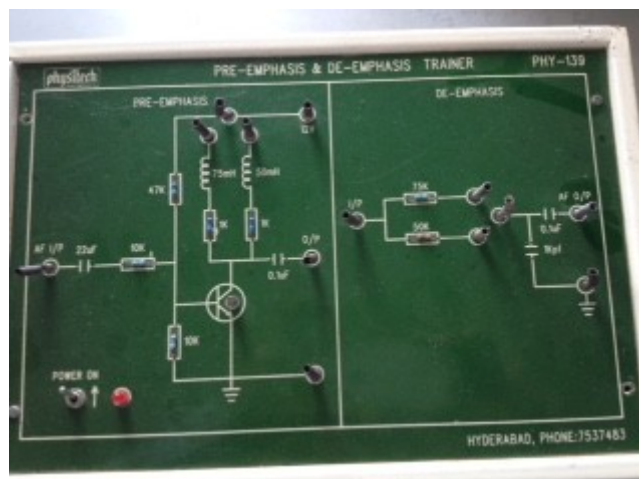
Frequency Synthesizer kit:



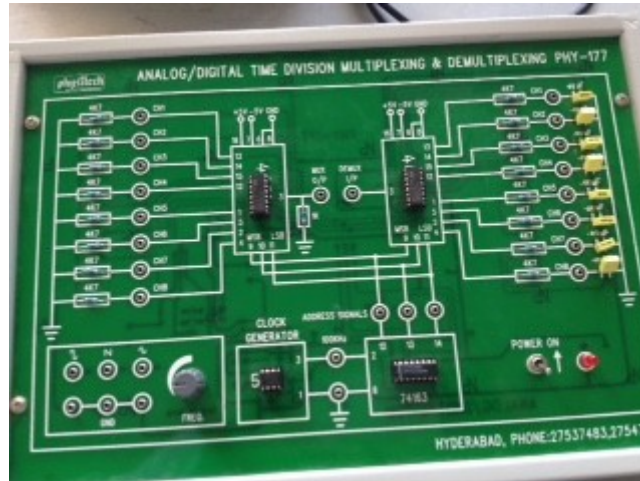
PLL FM Demodulator kit:



Preemphasis and Deemphasis kit:



Time Division Multiplexing kit:



Cathode Ray Oscilloscope:



Function Generator:

