








REFRIGERATION AND AIR CONDITIONING LAB

S.No .	Item Name	Model	Manufacturer	Usage	Picture
1	Vapor Absorption System	ET480,201480	Gunt Hamburg	Learning Objectives A. Demonstrate the basic principle of an absorption refrigeration system B. Absorption refrigeration system and its main components C. Operating behavior under load	
2	Refrigeration cycle trainer-1	RCT/EV 10.01.2451	Elettronoca Veneta	Learning Objectives Data acquisition and calculation of: A .Exchange surfaces B. Heat balances corresponding to evaporator, condenser, compressor C. Rrefrigerant mass flow	
3	Domestic Air conditioning Trainer	TAC/EC 10.01.04011	Elettronoca Veneta	Learning Objectives A. Heat balances corresponding to evaporator, condenser, compressor B. Refrigerant mass flow ideal and actual Volumetric compressor efficiency. C. Heat balances on	
4.	Split Air-Conditioning Training Set	A.09 HP	YE yildirim Elektronik	Learning Objectives A. This training set is designed to experimentally show the basic functions and elements of split air conditioners.	
5.	General Refrigeration Cycle Trainer	RCT/EC/EV 10.01.03277	Elettronoca Veneta	Learning Objectives A. Thermostatic valve superheat B. Heat balances corresponding to evaporator, condenser, compressor C. Refrigerant mass flow D .Ideal and actual EER	

6.	Basic Cooling Training Set	ESR-48/50DA	Delta Electronics INC	<p>Learning Objectives</p> <p>A. The Basic Cooling Training Set is designed to provide training for a possible understanding of the structure and operation of the cooling system.</p>	
7	Humidity measuring apparatus	P-4812-115	Cussons Technology	<p>Learning Objectives</p> <p>A. Humidity measuring and analysis.</p> <p>B. Plotting on Psychometric Chart and find the psychometric properties of air.</p>	
8	Condensation Unit	WL 230	Gunt Hamburg	<p>Learning Objectives</p> <p>A. Dropwise and film condensation</p> <p>B. Determination of the heat transfer coefficient</p> <p>C. Effect of pressure, temperature and non-condensable gases on the heat transfer coefficient</p>	