



Email : sales@laboratoryinstrumentindia.com

**Product Name :**  
Water To Air Heat Exchanger Trainer

**Product Code :**  
LBNY-0005-125000140



#### **Description :**

Electrical heater with thermostat  
Closed hot water circuit including heater, tank and pump  
Water flow and air flow rates adjustable  
Electronic sensors with digital displays  
Transfer characteristics of a water-to-air heat exchanger  
Water-to-air heat exchanger as cooler for hot water  
Determination of volumetric air flow rate via differential pressure at orifice plate flow meter.

#### **Technical Specification :**

Pump  
Max. Flow rate: 4,2m<sup>3</sup>/h  
Max. head: 20,5m  
Power consumption: 470W  
Fan  
Power consumption: 0,25kw  
Max. Flow rate: 13m<sup>3</sup>/min  
Max. Pressure difference: 430Pa  
Hot water tank: 28L  
Cooler  
Capacity: 2kw  
Water temperature: 70°C  
Material Cu/Al

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Heat transfer area: 2,80m<sup>2</sup>

Heater: 2kW

Measuring ranges:

Air mass flow rate: 0...250g/s

Temperature: 4x 0...100°C

Delivery pressure water: 0...4bar abs.

Water flow rate: 0...6m<sup>3</sup>/h.



**Laboratory Instrument India**