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**Product Name :**  
Cooling Using The Peltier Effect

**Product Code :**  
LBNY-0005-125000112



#### **Description :**

Electrical power freely adjustable via potentiometer  
Flow meter measurement of the water flows via rotameters  
Digital displays for temperature, current and voltage  
Functional model of a Peltier refrigeration system  
Water-cooled Peltier element  
Shared water circuit for heating and cooling with tank, pump and flow meters  
Experimental unit with clear design of all components at the front.

#### **Technical Specification :**

Peltier Element  
Max. Refrigeration capacity: 191,4w  
Max. Voltage: 16,9v  
Hot side temperature: 50C  
Max. Temperature difference: 77,8k  
Max. Current: 22,6a  
Water tank  
Content: 7L  
Pump  
Power consumption: 120W  
Max. head: 30m  
Max. Flow rate: 1000L/h  
Measuring ranges

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Flow rate: 1x 2...27L/h, 1x 10...105L/h  
Current: 0...20a  
Voltage: 0...200v  
Temperature: 2x -30...80°C, 4x 0...100°C.



**Laboratory Instrument India**