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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

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