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Product Name :
Trainer Centrifugal Pump Apparatus

Product Code :
LBNY-0005-10300091



Description :

The flow rate is measured using a magneto-inductive flow sensor. In this way the system provides a whole host of measured data that permit students to perform experiments on the basic principles of a hydraulic circuit. The Trainer Centrifugal Pump Apparatus is a mobile system with a closed water circuit that is intended both for training in vocational colleges and also for laboratory experiments in higher education. Manometers indicate the pressure on the intake and delivery side of the pump. The system is equipped with a centrifugal pump and various transducers, e.g. the torque on the shaft of the speed-controlled pump motor is measured and indicated on the switch box, as is also the rotational speed, current and voltage.

Technical Specification :

Digital displays of speed, torque, power consumption and flow rate on switch box
Closed water circuit with tank 96L
Centrifugal pump with manometer on intake and delivery side
Experimental set-up on laboratory trolley.

Technical Data:

Tank
Content: 96L
Pump
Nominal speed: 3.000min⁻¹
Flow rate: approx. 20m³/h
Head: approx. 16m
Measuring ranges

Pressure: 1x -0, 6...0bar, 1x 0...1,6bar
Flow rate: 0...20m³/h
Torque: 0...10Nm
Power consumption: 0...2200W
Speed: 0...5.000min⁻¹
Dimensions and Weight:
LxWxH: 2.000x750x1.500mm
Empty weight: 165kg.



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