

### GENERAL EXPLANATION

In fluid mechanics, the Bernoulli's principle is useful for visually grasping concepts such as high velocity and pressure.

### EXPERIMENTS

1. Measurement of velocity and pressure elevation changes in ideal fluids
2. Measurement of velocity and pressure elevation changes in different flows in ideal liquids
3. Measuring velocity height in real fluids
4. Measuring speed variation in different flow streams in real fluids

### DIMENSIONS

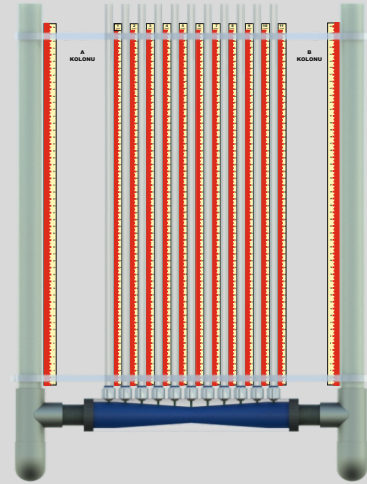
A x B x H : 980 x 450 x 1500 mm

### PACKAGE INCLUDED

Device, device cover, 1 printed experiment report, circuit diagram and product catalog

### TECHNICAL SPECIFICATION

The main purpose of the Bernoulli's experiment is to demonstrate the use and importance of the venturimeter used in flow measurement in practice, as well as the application of Bernoulli (conservation of energy) and Continuity (conservation law of conservation) equations, which are the most important equations of fluid mechanics. Thus, concepts such as static pressure, dynamic pressure, total pressure, energy conversion and energy losses can be understood with practical measurements.



### TECHNICAL DETAILS

- Recirculation pump
- Ball valve
- Rotameter type water flowmeter
- Water level arm
- Level measurement from 11 different points
- Calculation of pressure loss coefficient at different flow rates