

BERNOULLI'S THEOREM DEMONSTRATION Mod. HB5/EV

DESCRIPTION

The equipment enables to study the Bernoulli's theorem through the use of a classical Venturi tube equipped with 6 static tapping points and a Pitot tube for the measurement of dynamic pressure along the duct. The tapping points and Pitot tube are connected with a 7 tubes differential pressure gauge. The water flow rate is controlled by two valves placed at the inlet and outlet of the Venturi meter.

TRAINING PROGRAM:

- Demonstration of Bernoulli's theorem and of its limitations
- Direct measurement of the static and dynamic pressure distribution along a Venturi tube
- Determining the discharge coefficient of the Venturi tube

TECHNICAL CHARACTERISTICS:

- AISI 304 Stainless steel structure
- 7 tubes pressure gauge, range 0-500 mm
- Diameter of Venturi tube: 20 mm
- Venturi tube throat diameter: 10 mm
- Upstream taper: 14°
- Downstream taper: 21°

Dimensions: 650 × 400 × 850 (h) mm

Weight: 14 kg



REQUIRED

HYDRAULIC BENCH MOD. HB/EV OR HB-E/EV
- NOT INCLUDED -
or water supply (@2 bar) and drain



SUPPLIED WITH

THEORETICAL-EXPERIMENTAL
HANDBOOK



OPTIONAL

SPREADSHEET SOFTWARE
For fluid mechanics equipment
Mod. SW-HB5/EV

