

ENERGY LOSSES IN PIPES

Mod. HB9/EV

DESCRIPTION

The equipment enables to measure the head loss of a liquid flowing through a circular pipe. It consists of a test pipe, oriented vertically, which may be fed directly from the hydraulics bench or from an internal tank with constant level. The flow rate can be adjusted by a valve on the discharge line of the pipe. Head loss between two tapping points in the test pipe is measured by a mercury pressure gauge for high flow rates, and a water pressure gauge for small flow rates. Water discharging from the head tank returns to the supply tank of the hydraulics bench.



TRAINING PROGRAM:

- Determining the friction factor in laminar and turbulent flow regimes

TECHNICAL CHARACTERISTICS:

- AISI 304 stainless steel structure
- AISI 304 stainless steel test pipe: internal diameter 4 mm
- Length of test pipe: 500 mm
- Distance between pressure tapping points: 500 mm
- Mercury manometer range 0-500 mm (mercury not supplied; the instrument can be replaced with a digital pressure gauge on request during order placement)
- Water manometer range 0-500 mm
- AISI 304 stainless steel tank with constant level

Dimensions: 650 × 400 × 1.000 (h) mm

Weight: 17 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-HB9/EV

