METHODS OF FLOW MEASUREMENTS

Mod. HB12/EV

DESCRIPTION

The equipment enables to carry out measurements of flow rate using a Venturi meter, a calibrated orifice and a variable area flow meter connected in series. A flow control valve enables to vary the flow rate across the circuit. Each element is equipped with two pressure tapping points connected to a differential pressure gauge of six tubes.

TRAINING PROGRAM:

- Direct comparison of flow measurements carried out with a Venturi meter, a variable area flow meter and an orifice plate
- Calibrating each flow meter by using the volumetric tank of the hydraulics bench
- Comparing pressure drops across each instrument

TECHNICAL CHARACTERISTICS:

- AISI 304 stainless steel structure
- Range of pressure gauges: 0-500 mm H_2O
- Number of manometer tubes: 6
- Orifice plate diameter: 14 mm
- Variable area flow meter: 0.1-1 m^3/h
- Venturi meter dimensions:
  - throat diameter: 10 mm
  - upstream pipe diameter: 20 mm
  - inlet/outlet angle: 21°/12°

Dimensions: 650 × 400 × 850 (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-HB12/EV

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