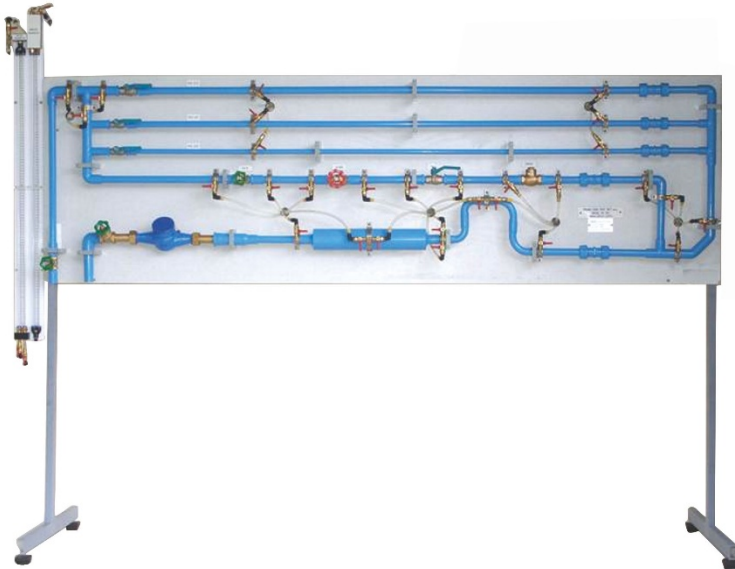


HF 125A PIPING LOSS APPARATUS, Small



Photograph includes optional equipment

GENERAL DESCRIPTION:

This is a comprehensive unit for studying the friction losses in pipes, pipe fittings and valves at various flow rates.

All friction loss components are arranged on a water proof panel which is attached to a floor standing steel frame. The apparatus is to be used with a Hydraulics Bench (separately supplied) or an outside water supply.

The loss is measured by differential pressure using manometers and differential pressure gauge. Pressure tapping is by small ball valves with quick connection. All pressure taps are connected by flexible hoses to a set of specially arranged manifolds such that differential pressure across any component can be measured simply by opening valves without removing the hoses.

The unit is on a steel frame with adjustable footings.

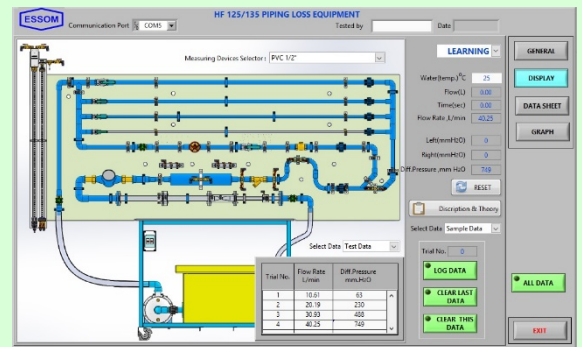
Instruction manual is also included.

EXPERIMENT CAPABILITIES:

- Friction losses in straight pipes at various flow rates.
- Friction losses in pipe fittings, valves, sudden expansion and contraction at various flow rates.

TECHNICAL DATA:

- Friction loss components:
 - Linear pipes, PVC : 3 different diameters.
 - Short radius bends : 2 ea.
 - Regular elbow : 1 ea.
 - 45° elbows : 2 ea.
 - Valves : Gate, globe, ball, and check
 - Other components : Tee section
: Sudden expansion
: Sudden contraction
- Measuring instruments
 - Water meter and stop watch.
 - Water manometer with hand air pump
 - Differential pressure gauge
- Software for data display and analysis by computer (separately supplied).



OPTIONAL EQUIPMENT

- HB100N or HB100 Hydraulics Bench, Neo or Hydraulics Bench (required accessory)
- HF 011 Variable area flow meter
- HF 020 Polyethylene, Polybutylene, or ABS pipe
- HF 021 Galvanized steel pipe.
- HF 022 Artificially roughened pipe.
- HF 023 Annular pipe.
- HF 024 Flexible hose.
- HF 033A Differential pressure digital display of differential pressure gauge.
- HF 033B Mercury manometer instead of differential pressure gauge.
Note: Due to transport laws, mercury cannot be supplied. Buyer must source it locally.
- HF 033C Portable differential pressure meter instead of differential pressure gauge
- HF 034A Portable differential pressure meter instead of water manometer
- HF 135-050 Computer Interface
Sensors with computer interface unit for key data acquisition instead of analog data measuring instruments. This includes computer interface unit, HB100N or HB100 and differential pressure sensors (high and low ranges).
- Other pipes and fittings can be supplied on request.
- Other optional equipment, please contact manufacturer (essom@essom.com)

Net (unpacked) shipping dimensions WxLxH : 35 x 245 x 105 cm
Net weight : Approx. 90 kg

