



THE LAB EQUIPMENT

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**Product Name :**

Fluid Friction Measurements

**Product Code :**

SLE/MCE/42



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## Description :

### Features:

- A Rota meter and a volumetric measuring tank are included for comparison measurements and calibrations.
- The volumetric measurement using a stopwatch gives highly accurate results even at low flow rates.
- A movable manometer panel saves space and allows for optimal accessibility.
- The trainer includes a closed water circuit with tank and submersible pump.
- The pressure measuring points are designed as annular chambers for accurate pressure measurement.
- Tube manometers, a Bourdon tube pressure gauge and a differential pressure sensor are provided for pressure and differential pressure measurements.

### Specifications:

- 4 smoothbore pipes of different diameters ranging from 4.5mm I.D. to 17.2mm I.D.
- Artificially roughened pipe.
- 90° bends (large & small radii), 90° elbow, 90° mitre, 45° elbow, 45° Y, 90° T.
- Inline strainer, Perspex Venturi, Perspex orifice meter.
- Perspex pipe section with a Pitot tube & static tapping.
- 38 tapping points.

### Measuring ranges:

- **Pressure:** -1...1,5bar
- **Differential pressure:** 1x 0...+/-350mbar, 8x 0...1000mmWS
- **Flow rate:** 1x 400...4000L/h
- **Power supply:** 230V, 50Hz, 1 phase
- **Dimension:** 800-x800 x 1200 mm
- **Weight:** 120kg

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